PB84-226778

BACT/LAER (Best Available Control Technology Lowest Achievable Emission Rate) Clearinghouse A Compilation of Control Technology Determinations. Volume 2B. Appendix G. Source Type Codes 6.0-12.0

PEDCo-Environmental, Inc., Cincinnati, OH

Prepared for

Environmental Protection Agency
Research Triangle Park, NC

May 84

U.S. Department of Commerce
National Technical Information Service
NTIS

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15. SUPPLEMENTARY NOTES This report will be supplemented from time to time as new determinations require. Users of this report should contact Regional Offices to get the number of subsequent reports.

16. ABSTRACT

This volume contains the detailed source listings for the determinations submitted in source type code 6.0 through source source type code 12.0.

The detailed source listing normally contains the following information: source type and size; company name and location; whether determination was BACT or LAER for new or modified source; the person, agency and phone number that made the determination; permit issue date; estimated date of start-up; processes subject to this permit; through-put capacity; pollutant(s) emitted; emission limits; control equipment or process modification; a section for notes; and review status dates.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS		b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Air Pollution	Nitrogen Oxides	Air Pollution Control	
Industrial Processes	Scrubbers	Stationary Sources	
Combustion Sources	Baghouses	BACT	
Control Equipment	Electrostatic Precipitators	LAER	
Coal		Sulfur Dioxide	
Oil		Particulate	
Bark		VOC	

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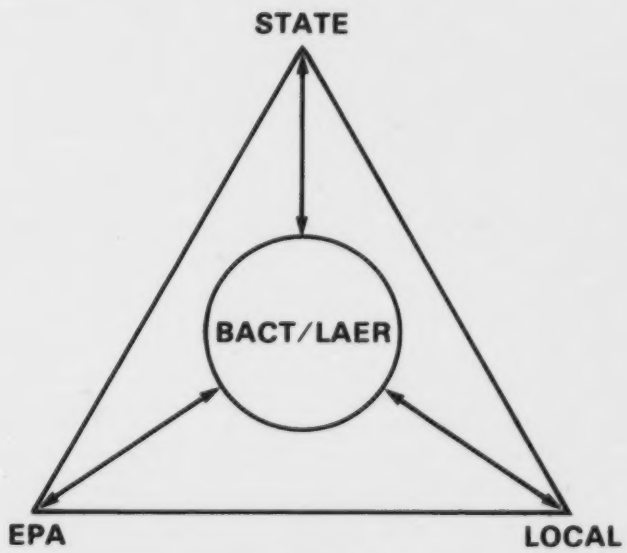
PB84-226778

BACT/LEAR Clearinghouse—

A Compilation Of Control Technology Determinations

Volume IIB
Appendix G
Source Type Codes 6.0-12.0



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Between The U.S. Environmental Protection Agency
And State And Local Air Pollution Control Agencies

May 1984

BACT/LAER Clearinghouse

Prepared By

Emission Standards And Engineering Division

U. S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

May 1984

DISCLAIMER

This report was prepared by PEDCo Environmental, Inc., Cincinnati, Ohio, under Contract No. 68-02-3512, Work Assignment No. 60. It has been reviewed by the Emission Standards and Engineering Division of the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency. Mention of trade names or commercial products is not intended to constitute endorsement or recommendation for use. Copies of this report are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161.

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ACRYLONITRILE PLANT

COMPANY NAME/SITE LOCATION DOW CHEMICAL U.S.A. CODY, WY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. CT-511
DETERMINATION MADE BY WYOMING AQD (AGENCY) DAN FAUTH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/06/83
ESTIMATED DATE OF START-UP-- 1983
(307)-332-3144 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AERATION, RAIL TANK CAR	NOTE #1				
		ACR*	2.9000 UG/CU METER, NOTE #2	CARBON FILLED CANISTERS	BACT 99.00
		ACR*	0.9000 UG/CU METER, NOTE #2	CARBON FILLED CANISTERS	BACT 99.00

NOTES ----------
NOTE #1 -- DOW AGREED TO REDUCE NUMBER OF CARS AERATING AT ANYONE TIME FROM 12 TO 6, NOTE #2 -- MODELED WORST CASE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- ACRYLIC ACID PLANT

COMPANY NAME/SITE LOCATION BADISCHE CORP. FREEPORT, TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-284
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/05/81
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WASTE INCIN., 2 EA	50.00 MMBTU/H	SO2	0.6800 LB/MMBTU	LOW S FUEL(OIL/GAS), & WASTE	BACT
		NOX	0.7300 LB/MMBTU	FLUE GAS O2 CONTROL	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983 INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- ALKYLBENZENE 150.00 MMLB/YR

COMPANY NAME/SITE LOCATION CONOCO, INC. WESTLAKE, LA
CALCASIEU PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-291
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/08/80
ESTIMATED DATE OF START-UP-- 1982
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PACOL HEATER, CHARGE	48.68 MMBTU/H				
		NOX	0.0960 LB/MMBTU	LOW NOX BURNERS > 20% EXCESS AIR	BACT
		CO	0.0180 LB/MMBTU	FLUE GAS O2 MONITORING	BACT
HEATER, STARTUP	11.37 MMBTU/H				
		NOX	0.0970 LB/MMBTU	LOW NOX BURNERS > 20% EXCESS AIR	BACT
		CO	0.0260 LB/MMBTU	FLUE GAS O2 MONITORING	BACT
HEATER, HOT OIL	134.88 MMBTU/H				
		NOX	0.0970 LB/MMBTU	LOW NOX BURNERS > 20% EXCESS AIR	BACT
		CO	0.0210 LB/MMBTU	FLUE GAS O2 MONITORING	BACT
FLARE					
		NOX	0.1200 LB/H		BACT
		CO	0.0200 LB/H		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- CARBON BLACK 320.00 MMLB/YR

COMPANY NAME/SITE LOCATION ASHLAND CHEMICAL CO. , LA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. LA-339
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/23/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER 1	50.50 MMBTU/H				
		SO2	38.3000 LB/H	EFFICIENT OPPERATION	BACT
		NOX	10.7000 LB/H	LOW EXCESS AIR	BACT
		CO	36.9000 LB/H	EFFICIENT COMBUSTION	BACT
		PM	6.2400 LB/H	EFFICIENT COMBUSTION	BACT
		VOC	4.0000 LB/H	EFFICIENT COMBUSTION	BACT
DRYER 2	110.00 MMBTU/H				
		SO2	777.8000 LB/H	EFFICIENT OPERATION	BACT
		NOX	9.6900 LB/H	LOW EXCESS AIR	BACT
		CO	79.3000 LB/H	EFFICIENT COMBUSTION	BACT
		PM	15.2800 LB/H	EFFICIENT COMBUSTION	BACT
		VOC	9.1000 LB/H	EFFICIENT COMBUSTION	BACT

(CONTINUED) ASHLAND CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CO BOILER	125.40 MMBTU/H				
		SO2	977.3000 LB/H	EFFICIENT COMBUSTION	BACT
		NOX	26.4000 LB/H	LOW EXCESS AIR	BACT
		CO	94.0000 LB/H	EFFICIENT COMBUSTION	BACT
		PM	6.9000 LB/H	EFFICIENT COMBUSTION	BACT
		VOC	19.3000 LB/H	EFFICIENT COMBUSTION	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CARBON BLACK

COMPANY NAME/SITE LOCATION ASHLAND CHEMICAL CO. , TX

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-338
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOE WINKLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/02/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STACK DRYER 2	53.00 MMBTU/H				
		PM	7.4000 LB/H	FABRIC SYS	BACT
		SO2	373.9000 LB/H	PROPER OPERATION	BACT
		NOX	20.0000 LB/H	LOW EXCESS AIR	BACT
		VOC	1.4000 LB/H	EFFICIENT COMBUSTION	BACT
		CO	42.5000 LB/H	EFFICIENT COMBUSTION	BACT
STACK DRYER 1	53.00 MMBTU/H				
		PM	7.4000 LB/H	FABRIC SYS	BACT
		SO2	373.9000 LB/H	PROPER OPERATION	BACT
		NOX	20.0000 LB/H	LOW EXCESS AIR	BACT
		VOC	1.4000 LB/H	EFFICIENT COMBUSTION	BACT
		CO	42.5000 LB/H	EFFICIENT COMBUSTION	BACT

(CONTINUED) ASHLAND CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CO BOILER	81.00 MMBTU/H				
		PM	10.0000 LB/H	FABRIC SYS	BACT
		SO2	565.0000 LB/H	NORMAL OPERATION	BACT
		NOX	28.0000 LB/H	LOW EXCESS AIR	BACT
		VOC	3.0000 LB/H	EFFICIENT OPERATION	BACT
		CO	62.0000 LB/H	EFFICIENT OPERATION	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CARBON BLACK

COMPANY NAME/SITE LOCATION CONTINENTAL CARBON
5 MI SW OF SUNRAY SUNRAY, TX
MOORE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-TX-345
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/03/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR	2.10 T/H	SO2		BACT
DRYER	2.10 T/H	SO2		BACT
REACTOR	2.00 T/H	SO2		BACT
DRYER	2.00 T/H	SO2		BACT
FIREBOX	24.00 MMBTU/H	SO2		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CARBON BLACK

COMPANY NAME/SITE LOCATION GREAT LAKES CARBON ALTUS, AR FRANKLIN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AR-271A
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/21/78
ESTIMATED DATE OF START-UP-- 1981
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCIN.	0.42 MMBTU/H				
		PM	6.6600 LB/H	EFFICIENT COMBUSTION	BACT
BAGHOUSE					
		PM	0.0200 LB/H	BAGHOUSE	BACT 99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- CARBON BLACK

COMPANY NAME/SITE LOCATION PHILLIPS PETROLEUM CO. BARTLESVILLE, OK
OSAGE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-OK-223
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/04/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
NAT. GAS FIRED COMPRESSOR	5.82 MMBTU/H	PM	0.4000 LB/H	0.5% S FUEL OIL	
		CO	0.2000 LB/H	PROPER OPERATION	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- CHARCOAL

COMPANY NAME/SITE LOCATION BIG SANDY WOOD IND. BIG SANDY, TX
UPSHUR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C8881
DETERMINATION MADE BY TEXAS ACB (AGENCY) JIMMY RANDALL (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/03/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD-CHARRING PILES, 5	3.75 T/D				
		PM	20.5000 T/YR		BACT
		NOX	4.4000 T/YR		BACT
		CO	178.0000 T/YR		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CHLOROALKALI

COMPANY NAME/SITE LOCATION DIAMOND SHAMROCK CORP.
1149 ELLSWORTH DR.
PASADENA, TX 77501
HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-276
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/20/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS TURBINE, 3	960.00 MMBTU/H EA				
		NOX	403.0000 LB/H EA		NSPS
			0.4200 LB/MMBTU		
				WATER INJECTION	
		CO	108.1000 LB/H EA		BACT
			0.1120 LB/MMBTU		
				EFFICIENT COMBUSTION	
		PM	13.2000 LB/H EA		BACT
			0.0140 LB/MMBTU		
				EFFICIENT COMBUSTION	
		SO2	0.6000 LB/H		NSPS
			0.0006 LB/MMBTU		
				0.8% S BY WT FUEL	
STEAM GEN., HEAT RECOVERY, 3	246.00 MMBTU/H				
		NOX	55.2000 LB/H EA		BACT
			0.2200 LB/MMBTU		
				LOW NOX BURNERS, LEA CONTRL	
		CO	4.0800 LB/H EA		BACT
			0.0170 LB/MMBTU		
				EFFICIENT COMBUSTION	
		PM	3.6000 LB/H EA		BACT
			0.0150 LB/MMBTU		

EFFICIENT COMBUSTION

NOTES ----------
MODIFIED EXISTING CHLORINE CAUSTIC BY CONSTRUCTING A 313 MW COMBINED CYCLE POWER GENERATING FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CHLOROBENZENE

COMPANY NAME/SITE LOCATION BOFORS NOBEL, INC. 5025 EVANSTON AVE. MUSKEGON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 615-81
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) DANITA BRANDT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/25/82
ESTIMATED DATE OF START-UP-- 1982
(517)-322-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DCB MANUFACTURE	3.00 MMLB/YR	DCB	9.0600 UG/CU. METER	DUAL ABSOLUTE FILTERS IN SERIES	99.99
DCB PACKOUT	3.00 MMLB/YR	DCB	3.5200 UG/CU. METER	DUAL ABSOLUTE FILTERS IN SERIES	99.99

NOTES ----------
TOTAL CONCENTRATION FROM ALL SOURCES (6 STACKS) MODELED FOR RISK ASSESSMENT ON THIS CARCINOGEN. FOUR STACKS IN MANUFACTURING PROCESS, TWO STACKS ON PACKOUT FACILITY.
INDIVIDUAL CONCENTRATIONS ARE 0.01, 3.07, 2.27, 3.71, 2.51, AND 1.01 UG/CUBIC METER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	03/13/1984

SOURCE TYPE/SIZE--- ETHYLENE AND POLYETHYLENE

COMPANY NAME/SITE LOCATION E.I. DUPONT DE NEMOURS , TX
ORANGE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 9176
DETERMINATION MADE BY TEXAS ACB (AGENCY) LOUIS ROBERTS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/27/82
ESTIMATED DATE OF START-UP-- 1982
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMPRESSION & POLYMERIZATION		VOC	SEE NOTE SWITCH FROM HOMOPOLYMER TO COPOLYMER PROD	
PELLETIZING		VOC	SEE NOTE SWITCH FROM HOMOPOLYMER TO COPOLYMER PROD	
PRODUCT HANDLING & STORAGE		VOC	SEE NOTE SWITCH FROM HOMOPOLYMER TO COPOLYMER PROD	

NOTES ----------
ADDITIONAL ABATEMENT SUCH AS CATALYTIC INCINERATION OR VACUUM EXTRUSION WOULD BE UNREASONABLY COSTLY BECAUSE OF SPACE LIMITATI
ONS, NEEDED FOR BAG FILTERS. COSTS WOULD RANGE FROM $4000 - 17000 PER ANNUAL TON ABATED. CAPITAL COSTS
NOTE -- 90 T/YR INCREASE OVER GRANDFATHERED UNIT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

SOURCE TYPE/SIZE--- ETHYLENE AND POLYETHYLENE 690.00 MMLB/YR

COMPANY NAME/SITE LOCATION GULF OIL CHEMICALS VICTORIA, TX
VICTORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-299
DETERMINATION MADE BY EPA REGION VI (AGENCY) RAGAN BROYLES (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/17/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, 4 EA	49.00 MMBTU/H EA				
		PM	0.0200 LB/MMBTU	OIL	BACT
			0.0100 LB/MMBTU	GAS GAS FIRED	
		SO2	0.7500 LB/MMBTU	OIL LOW SULFUR FUEL OR GAS	BACT
		NOX	0.3000 LB/MMBTU	OIL	BACT
			0.1200 LB/MMBTU	GAS LOW NOX BURNERS	
CATALYTIC ACTIVATORS, 2 EA	10.00 MMBTU/H EA				
		PM	0.1000 LB/H	GAS FIRED	BACT
		SO2		TRACE LOW SULFUR FUEL/GAS	BACT
		NOX	0.1200 LB/MMBTU	LOW NOX BURNERS	BACT
PREHEATERS, 2 EA					
		PM		TRACE GAS FIRED	BACT
		SO2		TRACE LOW SULFUR FUEL/GAS	BACT
		NOX	0.1000 LB/H		BACT

(CONTINUED) GULF OIL CHEMICALS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CATALYTIC ACTIVATOR FILTERS, 2 *					
BLOW TANK FILTERS, 2 EA		PM	TRACE	BAG FILTER	BACT 99.90
CATALYTIC FILTERS, 2 EA		PM	TRACE	BAG FILTER	BACT 99.90
STORAGE SILOS		PM	TRACE	BAG FILTER	BACT 99.90
FLARE, 10 EA		PM	TRACE	BAG FILTERS	BACT 99.90
CATALYTIC INCINERATOR		PM	0.1000 LB/H	STEAM INJECTION	BACT
		SO2	TRACE	LOW SULFUR OIL (0.7%)	BACT
		NOX	2.3000 LB/H	EFFICIENT DESIGN	BACT
		NOX	15.0000 LB/H	LOW NOX BURNERS	BACT

NOTES ----------
TRACE EQUALS LESS THAN ONE POUND PER HOUR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- ETHYLENE AND POLYETHYLENE

COMPANY NAME/SITE LOCATION TEXAS EASTMAN CO. P.O. BOX 7444 LONGVIEW, TX 75607

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-332
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PYROLYSIS FURNACE	100.00 MMBTU/H	PM	1.0000 LB/H	COMBUSTION CONTROL	BACT
		CO	1.7000 LB/H	COMBUSTION CONTROL	BACT
		NOX	10.0000 LB/H	LOW NOX BURNERS, LEA FIRING	BACT
		SO2	0.1000 LB/H	NAT. GAS/OFF GAS FIRED	BACT
PYROLYSIS FURNACE	100.00 MMBTU/H	PM	1.0000 LB/H	COMBUSTION CONTROL	BACT
		CO	1.7000 LB/H	COMBUSTION CONTROL	BACT
		NOX	10.0000 LB/H	LOW NOX FIRING, LEA FIRING	BACT
		SO2	0.1000 LB/H	NAT. GAS/OFF GAS FIRED	BACT
PYROLYSIS FURNACES, 4	165.00 MMBTU/H EA	PM	1.0000 LB/H EA	COMBUSTION CONTROL	BACT
		CO	3.0000 LB/H EA		BACT

		COMBUSTION CONTROL	
NOX	17.0000	LB/H	
		LOW NOX BURNERS, LEA FIRING	BACT
SO2	0.2000	LB/H	
		NAT. GAS/OFF GAS FIRED	BACT

(CONTINUED) TEXAS EASTMAN CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS HEATER	10.00 MMBTU/H				
		PM	1.0000 LB/H	COMBUSTION CONTROL	BACT
		CO	0.2000 LB/H	COMBUSTION CONTROL	BACT
		NOX	1.2000 LB/H	LOW NOX FIRING, LEA FIRING	BACT
		SO2	0.0100 LB/H	NAT. GAS/OFF GAS FIRED	BACT
BOILERS, 2	330.00 MMBTU/H				
		PM	14.0000 LB/H TAR 1.0000 LB/H NAT GAS	COMBUSTION CONTROL	BACT
		CO	4.6000 LB/H TAR 3.2000 LB/H NAT GAS	COMBUSTION CONTROL	BACT
		NOX	42.0000 LB/H TAR 22.8000 LB/H NAT GAS	LOW NOX BURNERS, LEA FIRING	BACT
		SO2	12.0000 LB/H TAR 1.0000 LB/H NAT GAS	0.075% S FUEL (TAR)	BACT
PELLET STORAGE & HANDLING					
		PM	1.1000 LB/H	BAGHOUSE	BACT 97.00

NOTES ----------
NEW ORGANIC CHEM. MFG FACILITY - LOW DENSITY POLYETHYLENE UNIT. NEW HYDROCARBON CRACKING UNIT CONSISTINGG OF 6 PYROLYSIS FURNACES, TWO BOILERS AND ONE PROCESS HEATER. WHEN 2 FUELS ARE FIRED SIMULTANEOUSLY, ALLOWABLE EMISSIONS (LB/HR) BY POLLUTANT SHALL BE DETERMINED BY: E=(MMBTU TAR/HR)(LB/MMBTU TAR)+(MMBTU GAS/HR)(LB/MMBTU GAS). FUEL FIRING RATE FOR EACH ABOVE BOILER SHALL NOT EXCEED 7950 LB/HR PYROLYSIS TAR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ETHYLENE AND POLYETHYLENE 270.00 MT/YR

COMPANY NAME/SITE LOCATION TEX-USS
4800 FOURNACE PLACE BELLAIRE, TX 77401

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-336
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/16/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM BOILER	99.00 MMBTU/H	NOX	0.1100 LB/MMBTU	LOW NOX BURNERS	BACT
STEAM BOILER	99.00 MMBTU/H	NOX	0.1100 LB/MMBTU	LOW NOX BURNERS	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ETHYLBENZENE/STYRENE 900.00 MMLB/YR

COMPANY NAME/SITE LOCATION AMERICAN HOECHST PASADENA, TX HARRIS COUNTY

DETERMINATION IS RACT FOR A NEW SOURCE.
PERMIT NO. 5252
DETERMINATION MADE BY TEXAS ACB (AGENCY) SAM CROWTHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/01/77
ESTIMATED DATE OF START-UP-- 1978
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, 4 & HEATERS, 6	1.20 MMBTU/H TO*				
		PM	15.0000 T/YR	PROC.,RESIDUE,& NAT. GAS FIRED	
		SO2	1.1000 T/YR	PROC.,RESIDUE,& NAT. GAS FIRED	
		NOX	569.0000 T/YR		AP42
			0.1750 LB/MBTU	PROC.,RESIDUE,& NAT. GAS FIRED	
PROCESS VENTS					
		VOC		NONE	
TANKS, 10				VENTED	100.00
		VOC	16.0000 T/YR		AP42
				INT. FLOAT COVER & WHITE PAINT	

NOTES ----------
FIRST TEXAS EB/STYRENE UNIT WITH NO PROCESS VENTS TO ATMOSPHERE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- FLUOROCARBONS

COMPANY NAME/SITE LOCATION DUPONT WHITE RIVER TOWNSHIP, MI
MUSKEGON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 756-79
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) DANITA BRANDT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/15/80
ESTIMATED DATE OF START-UP-- 1982
(517)-302-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FREON 22 MFG		VOC	205.0000 LB/H	NO VISIBLE CONTROLS	

NOTES ----------
FREON 23 HAS LOW REACTIVITY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FORMALDEHYDE 20000.00 GAL

COMPANY NAME/SITE LOCATION EXXON CHEMICAL AMERICAS HOUSTON, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X3753
DETERMINATION MADE BY TEXAS ACB (AGENCY) STUART KEIL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/16/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WATER TREATMENT CHEMICALS MFG U*	20000.00 GAL	FOR*	STATIC SCRUBBER W/SODIUM BISULFITE SOL.	
		VOC	NIL EMISSIONS	

NOTES ----------
EFFICIENCY NOT DETERMINED AT THIS TIME. PROCESS CONCERNS FORMALDEHYDE STORAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- FORMALDEHYDE 64400.00 LB/H INPUT

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. CONWAY, NC
NORTHAMPTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-060
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-6126 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/17/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FORMALDEHYDE PRODUCTION					
		VOC	10.0000 LB/H	CATALYTIC CONVERTER	BACT 95.00
		CO	10.0000 LB/H	CATALYTIC CONVERTER	BACT 60.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- FORMALDEHYDE 150.00 MMLB/YR

COMPANY NAME/SITE LOCATION INTERNAT. MINERALS & CHEMICAL CORP. SOUTH WHITEHALL TOWNSHIP, PA LEHIGH COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) 79PA10
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/12/79
ESTIMATED DATE OF START-UP-- 1980
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FORMALDEHYDE PLANT	5800.00 ACFM (70 DE*	VOC	10.1000 LB/H	CATALYTIC AFTERBURNER	BACT 90.00
		CO	2.0300 LB/H		BACT
STORAGE TANK (FORMALDEHYDE)	150.00 MGAL	VOC	0.0400 LB/H	VAPOR RECOVERY SYS	BACT 90.00
STORAGE TANK (METHANOL)	100.00 MGAL	VOC	0.1000 LB/H	VAPOR RECOVERY SYS	BACT 90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FORMALDEHYDE 64400.00 LB/H INPUT

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. CONWAY, NC
NORTHAMPTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-060
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/17/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FORMALDEHYDE PRODUCTION					
		VOC	10.0000 LB/H		BACT
				CATALYTIC CONVERTER	95.00
		CO	10.0000 LB/H		BACT
				CATALYTIC CONVERTER	60.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- FORMALDEHYDE 150.00 MMLB/YR

COMPANY NAME/SITE LOCATION INTERNAT. MINERALS & CHEMICAL CORP. SOUTH WHITEHALL TOWNSHIP, PA
LEHIGH COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) 79PA10
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON) (215)-597-8186 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/12/79
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FORMALDEHYDE PLANT	5800.00 ACFM (70 DE*	VOC	10.1000 LB/H		BACT
				CATALYTIC AFTERBURNER	90.00
		CO	2.0300 LB/H		BACT
STORAGE TANK (FORMALDEHYDE)	150.00 MGAL				
		VOC	0.0400 LB/H		BACT
				VAPOR RECOVERY SYS	90.00
STORAGE TANK (METHANOL)	100.00 MGAL				
		VOC	0.1000 LB/H		BACT
				VAPOR RECOVERY SYS	90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- MALEIC ANHYDRIDE 133.00 MMLB/YR

COMPANY NAME/SITE LOCATION MONSANTO CO.
P.O. BOX 12830
PENSACOLA, FL 32575
ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL-055
DETERMINATION MADE BY FLORIDA DER (AGENCY) ED PALAGYI (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/26/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MALEIC ANYHYDRIDE PRODUCTION	133.00 MMLB/YR				
		VOC	700.0000 LB/H	INCINERATION	BACT 90.00
		CO	670.0000 LB/H	INCINERATION	BACT 9.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

SOURCE TYPE/SIZE--- METHANOL

COMPANY NAME/SITE LOCATION DOW CORNING CORP. CARROLLTON, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-78-73
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/16/78
ESTIMATED DATE OF START-UP-- 1979
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GRINDING, SCREENING, CONVEYING					
		PM	22.0000 T/YR	FABRIC FILTER	99.00
		VOC	60.0000 T/YR	VAPOR RECOVERY	98.30
PILOT PLANT, CHLOROSILANE					
		VOC	4.0000 T/YR	VAPOR RECOVERY	99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

SOURCE TYPE/SIZE--- METHANOL 100.00 MMGAL/YR

COMPANY NAME/SITE LOCATION GETTY METHANOL CORP. DELAWARE CITY, DE NEW CASTLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 80DE01
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/10/80
ESTIMATED DATE OF START-UP--
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TUBLULAR REFORMER	1.39 MMMLB/YR	NOX	0.1300 LB/MMBTU	COEN LCW NOX BURNERS	BACT
STORAGE TANKS, METHANOL	115.00 MBBL/YR	NOX	SEE NOTES		BACT 75.00

NOTES ----------
NOX CONTROLLED BY INTERNAL FLOATING ROOFS + PROPER MAINTENANCE OF STORAGE TANK SEALS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PAINT & VARNISH 3.00 MMLB/YR

COMPANY NAME/SITE LOCATION SUN CHEMICAL CORP.
4925 EVANSTON AVE. MUSKEGON, MI 49442

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 351-82
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) ASAD KHAN (AGENCY CONTACT PERSON) (517)-322-1333 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/24/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AZO RED PIGMENT MANUFACTURING P*	3.00 MMLB/YR				
		BET*	0.3300 UG/CU. METER		BACT
				2 ABS FILTERS & A WET SCRUBBER	99.99

NOTES ----------
THE ABOVE BACT LIMIT IS ALSO BASED ON GUIDELINES DEVELOPED BY THE AIR ADVISORY COMMITTEE TO THE APC COMMISSION, MICHIGAN DNR, FOR NON-CRITERIA POLLUTANTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 03/13/1984

ID NUMBER MI-0030

SOURCE TYPE CODE 6.42

SOURCE TYPE/SIZE--- PHARMACEUTICAL 1260.00 CF/BATCH

COMPANY NAME/SITE LOCATION CHEESEBOROUGH PONDS, INC. SHERBURNE, NY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 085600-0264-00005
DETERMINATION MADE BY NEW YORK DEC (AGENCY) DALE VOLLMER (AGENCY CONTACT PERSON) (315)-428-4484 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/10/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STERILIZER	1260.00 CF/BATCH	ETO	0.4100 LB/H	"DEOXX" T.M.	BACT 99.00

NOTES ----------
THE "DEOXX" PROCESS IS PENDING PATENT APPROVAL. THE MANUFACTURER HAS REQUESTED THAT CERTAIN INFORMATION REMAIN CONFIDENTIAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/13/1984

ID NUMBER NY-0011

SOURCE TYPE CODE 6.43

SOURCE TYPE/SIZE--- PHARMACEUTICAL

COMPANY NAME/SITE LOCATION ELI LILLY GREENFIELD, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-81-7
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/04/81
ESTIMATED DATE OF START-UP-- 1985
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILER	123.00 MMBTU/H				
		PM	0.0930 LB/MMBTU		
			49.6000 T/YR		
				BAGHOUSE	
		NOX	0.6000 LB/MMBTU		
			323.0000 T/YR		
		SO2	1.6000 LB/MMBTU 3H AV		
				LOW S COAL	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- PHARMACEUTICAL

COMPANY NAME/SITE LOCATION HEAD JOHNSON & CO. MOUNT VERNON, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(65) 1507
DETERMINATION MADE BY INDIANA APCD (AGENCY) FRANK PROFIT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/12/82
ESTIMATED DATE OF START-UP--
(317)-633-0664 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL-FIRED, 2 EA	40000.00 LB/H EA				
		PM	0.0300 LB/MMBTU	MULTICLONE & BAGHOUSE	98.60
		SO2	2.1000 LB/MMBTU	MAX 1.3% SULFUR COAL	
		NOX	0.6500 LB/MMBTU		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- PHTHALIC ANHYDRIDE 80.00 MMLB/YR

COMPANY NAME/SITE LOCATION ASHLAND CHEMICAL CO. NEAL, WV WAYNE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 78WV02
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/07/80
ESTIMATED DATE OF START-UP-- 1982
(215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR		CO	86.7000 LB/H	CATALYTIC INCINERATOR	BACT 95.00
		VOC	49.3000 LB/H	CATALYTIC INCINERATOR	BACT 95.00
HEATER	10.00 MMBTU/YR	SO2	16.0000 LB/H	1% SULFUR FUEL OIL	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- PHTHALIC ANHYDRIDE

COMPANY NAME/SITE LOCATION KOPPERS CHICAGO, IL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 82 05 0034
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/12/84
ESTIMATED DATE OF START-UP-- 1984
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, WASTE & REACTOR	1140.00 T/YR	SO2	260.0000 LB/H 0.8000 % BY WT S, MAX	MATERIAL SPECIFICATION	BACT

NOTES ----------
ALSO PERMIT NUMBER 031 300 AAJ

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

SOURCE TYPE/SIZE--- PROYLENE OXIDE

COMPANY NAME/SITE LOCATION ARCO CHEMICAL CO. , TX HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 9395
DETERMINATION MADE BY TEXAS ACB (AGENCY) PETE ROBERTS (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/09/84
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, PROPYLENE OXIDE	CONFIDENTIAL	VOC	75.0000 T/YR	HIGH ENERGY VENTURI	BACT
		PRO*	1.0000 T/YR	SCRUBBER	BACT 99.98

NOTES ----------
NET EMISSIONS DECREASED DUE TO MODIFICATION. SCRUBBER HAS PRESSURE DROP EQUAL 55 INCHES H2O.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- SULFUR RECOVERY 25.00 T/D SULFUR

COMPANY NAME/SITE LOCATION AMOCO PRODUCTION CO. ANDREWS, TX
ANDREWS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 7725
DETERMINATION MADE BY TEXAS ACB (AGENCY) SAM CROWTHER (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/16/79
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFUR RECOV. ON NAT. GAS STREAM	4.00 MMSCFD GAS	SO2	270.0000 T/YR	COLD BED ADSORPTION DESIGN	98.50

NOTES ----------
THIS PROCESS USES A FINAL CATALYST BED MAINTAINED AT LOW TEMP. SO THAT SULFURPRODUCED IS REMOVED FROM REACTION SYSTEM. OVERALL EQULIBRIUM IS THUS SHIFTED SOTHAT HIGHER PERCENT CONVERSIONS OF HYDROGEN SULFIDE TO SULFUR IS ACHIEVED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SULFUR RECOVERY

COMPANY NAME/SITE LOCATION SPONGE, INC. CLEVELAND, OH 44102

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-958
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKRAM HABIB (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1982
(216)-664-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
H2S CONVERTER, SETTLING TANK & *	180.00 GAL/H			
		H2S	0.0200 LB/H	
			0.2600 GR/100 CF	
			NA2S CONVERTED TO H2S THEN S.	99.00

NOTES ----------
H2S GAS WHICH IS EVOLVED IN SPONGE MANUFACTURING PROCESS IS REMOVED BY CAUSTIC SCRUBBERS, THE WASTE WATERS FROM WHICH CONTAIN LARGE AMOUNTS OF NA2S. SULFURIC ACID TREATMENT OF THIS WATER RE-LIBERATES H2S WHICH THE CATABAN REACTOR CONVERTS INTO ELEMENTAL SULFUR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- SULFUR RECOVERY 50.00 T/D

COMPANY NAME/SITE LOCATION TEXACO, INC. - PUGET SOUND REFINERY ANACORTES, WA 98221

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NORTHWEST APA (AGENCY) GLEN HALLMAN (AGENCY CONTACT PERSON) (206)-336-5705 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/25/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CLAUS SULFUR UNITS, 2	25.00 LT/D, EA				
		SO2	6.4000 LB/H 28.0000 T/YR	SCOT TAIL GAS TREATING UNIT	99.90
		SO2	250.0000 PPM DSCF, 0% O2	INCINERATOR STACK	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 30.00 T/H COAL

COMPANY NAME/SITE LOCATION ASHLAND SYNTHETIC FUELS, INC. CATLETTSBURG, KY 41101
P.O. BOX 391 BOYD COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. PSD-KY-089
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/28/80
ESTIMATED DATE OF START-UP-- 1980
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL LIQUIFACTION PLANT	70400.00 T/YR COAL	PM	82.6000 T/YR	BAG HOUSES NEW	LAER 99.00
		SO2	93.2400 T/YR	SULFUR RECOVERY UNIT NEW	LAER 96.30

NOTES ----------
4368 HPY OPERATION

PLANT SHUTDOWN 11/18/82.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 70400.00 T/YR

COMPANY NAME/SITE LOCATION ASHLAND SYNTHETIC FUELS, INC. CATLETTSBURG, KY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C79121
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/17/79
ESTIMATED DATE OF START-UP-- 1980
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	62.60 MMBTU/H				
		PM	2.0000 LB/H		
			10.0000 T/YR		
		CO	1.0000 T/YR		
		SO2	3.0000 T/YR		
		NOX	6.0000 T/YR		
		VOC	1.0000 T/YR		
REACTOR HEATERS, 201A & B, TOTAL	53.00 MMBTU/H				
		PM	1.0000 LB/H		
			5.0000 T/YR		
REACTOR HEATER #201C	48.40 MMBTU/H				
		PM	1.0000 LB/H		
			5.0000 T/YR		
		CO	2.0000 T/YR		
		SO2	1.0000 T/YR		
		NOX	9.0000 T/YR		
		VOC	1.0000 T/YR		
FILTRATE HEATERS	22.90 MMBTU/H				
		PM	1.0000 LB/H		
			5.0000 T/YR		
		NOX	3.0000 T/YR		
		VOC	2.0000 T/YR		

(CONTINUED) ASHLAND SYNTHETIC FUELS, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HYDROGEN HEATER	16.40 MMBTU/H				
		PM	0.8000 LB/H		
			3.5000 T/YR		
		CO	3.0000 T/YR		
		SO2	1.0000 T/YR		
		NOX	2.0000 T/YR		
		VOC	1.0000 T/YR		
THERMOLIQUID HEATER	36.80 MMBTU/H				
		PM	0.6000 LB/H		
			2.6300 T/YR		
		CO	2.0000 T/YR		
		SO2	12.0000 T/YR		
		NOX	8.0000 T/YR		
		VOC	1.0000 T/YR		
DEASHING UNIT HTRS, #501 & 502	19.80 MMBTU/H				
		PM	0.4000 LB/H		
			1.7500 T/YR		
		CO	1.0000 T/YR		
		SO2	9.0000 T/YR		
		NOX	6.0000 T/YR		
		VOC	1.0000 T/YR		
COAL UNLOADING	300.00 T/H				
		PM	9.0000 LB/H		
			3.7500 T/YR		
				FABRIC FILTER	99.00
COAL RECLAIM	208.00 T/H				
		PM	5.2000 LB/H		
			4.0000 T/YR		
				FABRIC FILTER	99.00
CRUSHED COAL BIN	208.00 T/H				
		PM	4.0000 T/YR		
				FABRIC FILTER	99.00

(CONTINUED) ASHLAND SYNTHETIC FUELS, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL DRYING	208.00 T/H				
		PM	0.6000 LB/H 2.1000 T/YR	FABRIC FILTER	99.00
COAL STORAGE	208.00 T/H				
		PM	1.0000 T/YR	FABRIC FILTER	99.00
FLAKER	208.00 T/YR				
		PM	0.2100 LB/H 0.9400 T/YR	FABRIC FILTER	99.00
OIL MIST ELIMINATOR					
		PM	8.1500 LB/H 35.7000 T/YR	MIST ELIMINATOR	99.00
FLARE					
		PM	1.0000 T/YR		
		SO2	1.0000 T/YR		
NAPTHA TANKS, 3		VOC	1.0000 T/YR		
RESID. OIL TANKS		VOC	1.0000 T/YR		
DISTIL. FUEL TANKS		VOC	1.0000 T/YR		
COAL HYD. REACTOR					
		SO2	90.0000 T/YR	PROCESS GAS RECOVERY	99.90

NOTES ----------
NON-ATTAINMENT FOR PM, SO2, NOX.

SHUTDOWN 11/18/82

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 55.00 MW

COMPANY NAME/SITE LOCATION DEPT OF WATER RESOURCES
BOTTLE ROCK PROJECT , CA
LAKE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-79-08
DETERMINATION MADE BY EPA REGION IX (AGENCY) BOB BAKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/15/81
ESTIMATED DATE OF START-UP--
(415)-974-8220 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GEOTHERMAL POWER PLANT	55.00 MW NET	H2S	5.0000 LB/H		BACT

NOTES ----------
EIC PROCESS ON STEAM PRETREATMENT, STRETFORD PROCESS FOR NON-CONDENSIBLE STREAM AND H2 02/CATALYST FOR CONDENSATE TREATMENT. A LSO INCLUDES SURFACE CONDENSER AND TURBINE BYPASS TO PREVENT H2S

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE)

COMPANY NAME/SITE LOCATION DOW CHEMICAL, INC., LOUISIANA DIV. PLAQUEMINE, LA
IBERVILLE PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-LA-512
DETERMINATION MADE BY LAQD/EPA REGION VI (AGENCY) JAY GUPTA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/13/83
ESTIMATED DATE OF START-UP-- 1983
(504)-342-8940 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS PRODUCTION, SYNTHETIC	1600.00 MMBTU/H				
		SO2	102.2000 LB/H 17.0000 PPM	TREATED USING SELECTAMINE ACID GAS REMOVAL	97.30
INCINERATOR, TAIL GAS, SULFUR R*	10.00 MMBTU/H				
		SO2	524.0000 LB/H	GOOD COMBUSTION PRACT.	

NOTES ----------
A MORE STRINGENT CONTROL ON SULFUR EMISSIONS FROM GAS TURBINES MORE THAN OFFSETS SOMEWHAT HIGHER EMISSIONS FROM TALL GAS INCIN
ERATOR. THUS, THE SUM OF EMISSION RATES OF THE TWO SOURCES IS BELOW THE SUM OF THE EMISSION LIMITS ALLOWED
BY NSPS FOR GAS TURBINES AND STATE REGULATIONS FOR SULFUR RECOVERY PLANTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE)

COMPANY NAME/SITE LOCATION PACIFIC GAS & ELECTRIC CO., GEYSERS UNI* , CA
LAKE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NSR 4-4-1 NC 81-02
DETERMINATION MADE BY EPA REGION IX (AGENCY) MATT HABER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/21/82
ESTIMATED DATE OF START-UP--
(415)-974-8209 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POWER PLANT	110.00 MW				
		H2S	7.5000 LB/H	CATALYST SYSTEM STRETFORD PROC./EMISSION PLAN	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 110.00 MW

COMPANY NAME/SITE LOCATION PACIFIC GAS & ELECT. CO. , CA
GEYSERS UNIT 17 SONOMA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-79-01
DETERMINATION MADE BY EPA REGION IX (AGENCY) BOB BAKER (AGENCY CONTACT PERSON) (415)-974-8220 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/03/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GEOTHERMAL UNIT 17	110.00 MW	H2S	0.1200 KG/H	SURFACE CONDENSER/STRETFORD PROCESS SYS	90.00

NOTES ----------
GEOTHERMAL POWER PLANT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

SOURCE TYPE/SIZE--- SYNFUELS/FUEL CONVERSION (NOT OIL SHALE) 55.00 MW

COMPANY NAME/SITE LOCATION SACRAMENTO MUNICIPAL UTILITIES DIST. MUNICIPAL UTILITIES DISTRIC*, CA
SMUDGEO #1 SONOMA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-80-01
DETERMINATION MADE BY EPA REGION IX (AGENCY) BOB BAKER (AGENCY CONTACT PERSON) (415)-974-8220 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/05/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GEOTHERMAL UNIT #1	0.55 MW			
		H2S	8.0000 LB/H	
			STRATFORD PROCESS UNIT	87.30

NOTES ----------
NON-CONDENSIBLE GAS STREAM -- STRETFORD PROCESS UNIT -- CONDENSIBLES FROM SURFACE CONDENSER - H2O2/FESO4 SYS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SYNTHETIC FIBERS 110000.00 LB/H STEAM

COMPANY NAME/SITE LOCATION CELANESE, AMCELLE PLANT CUMBERLAND, MD 21502
P.O. BOX 444 ALLEGANY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 04/03/79
PERMIT NO. 78MD08-R ESTIMATED DATE OF START-UP-- 1980
DETERMINATION MADE BY EPA REGION III (AGENCY) ED VOLLBERG (AGENCY CONTACT PERSON) (215)-597-8990 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	110.00 MLB/H				
		PM	9.2400 LB/H		SIP
			40.5000 T/YR		
			SEE NOTES		99.50
		SO2	70.2300 LB/H		PSD
			307.6000 T/YR		
			SEE NOTES		66.50

NOTES ----------
INNOVATIVE TECHNOLOGY -- DRY FGD SYSTEM, SPRAY DRYER, & BAGHOUSE. PM LIMIT IS EQUIVALENT TO 0.021 GR/DSCF. PSD PERMIT EXPIRES 12/31/83.
SOURCE HAS REQUESTED SO2 EMISSIONS BE INCREASED TO 208.3 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- SYNTHETIC FIBERS 245.00 MMBTU/H COAL

COMPANY NAME/SITE LOCATION E.I. DUPONT PHOENIX, NC
BRUNSWICK COUNTY

DETERMINATION IS BACT
PERMIT NO. NC-067
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	245.00 MMBTU/H COAL				
		PM	0.1000 LB/MMBTU		BACT
			24.5000 LB/H		
				BAGHOUSE	99.00
		SO2	2.2000 LB/MMBTU		BACT
				1.4% S COAL	
		NOX	0.7000 LB/MMBTU		NSPS
				BOILER OPERATION & DESIGN	

NOTES ----------
TWO COAL FIRED BOILERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SYNTHETIC FIBERS 97.00 MMBTU/H EA

COMPANY NAME/SITE LOCATION E.I. DUPONT WINONA, SC 29501
FLORENCE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) SC-034
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) OTTO PEARSON (AGENCY CONTACT PERSON) (803)-758-5406 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/09/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL, #1 + #2	97.00 MMBTU/H EA				
		PM	0.0860 LB/MMBTU		BACT
				BAGHOUSE	99.90
		SO2	1.7000 LB/MMBTU		BACT
				1% SULFUR IN COAL	
		NOX	0.7000 LB/MMBTU		BACT
				BOILER OPERATION & DESIGN	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/02/1984

SOURCE TYPE/SIZE--- SYNTHETIC FIBERS

COMPANY NAME/SITE LOCATION GLOBE MANUFACTURING CO. GASTONIA, NC GASTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2106R4
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 02/01/83
ESTIMATED DATE OF START-UP-- 1983
(918)-733-7015 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELASTIC FIBER EXTRUDING LINES	425.00 LB/H	VOC	75.0000 % ANNUAL AV RED. 2 CARBON BED ADSORB. UNITS	78.00

NOTES ----------
THERE NO ECONOMICALLY IDENTIFIABLE CONTROL OPTIONS TO IMPROVE SOLVENT RECOVERY FROM THIS TYPE PROCESS. THEREFORE, THE CARBON A
DSORPTION SYSTEM WITH AN ANNUAL AVERAGE VOC REDUCTION OF 75% IS REPRESENTATIVE OF BACT.
THIS SOURCE CONSIST OF FOUR EXTRUDING LINES OF 8 CARBON BED UNITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- SYNTHETIC FIBERS 284.40 MMBTU/H

COMPANY NAME/SITE LOCATION SPARTAN MILLS DOVER, GA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2211-124-8586
DETERMINATION MADE BY GEORGIA EPD (AGENCY) PAUL IZANT (AGENCY CONTACT PERSON) (404)-656-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/13/83
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	284.40 MMBTU/H	PM	0.1000 LB/MMBTU	MULTICLONE & F.F. BAGHOUSE	NSPS 99.00
		SO2	1.2000 LB/MMBTU	USE OF 0.76% S COAL	NSPS
		NOX	0.7000 LB/MMBTU	FURNACE, BURNER DESIGN	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- SYNTHETIC RUBBER/RUBBER TIRES 96.40 MMBTU/H

COMPANY NAME/SITE LOCATION FIRESTONE TIRE CO.
3300 SYLVESTER RD
ALBANY, GA 31702
DOUGHERTY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. GA 067
DETERMINATION MADE BY GEORGIA EPD (AGENCY) BILL MITCHELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/25/80
ESTIMATED DATE OF START-UP--
(404)-656-6900 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, OIL FUEL	96.40 MMBTU/H	SO2		1% SULFUR FUEL OIL	
		PM	0.1600 LB/MMBTU	BAGHOUSE	BACT 99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SYNTHETIC RUBBER/RUBBER TIRES

COMPANY NAME/SITE LOCATION FIRESTONE TIRE CO.
P. O. BOX 1708 ALBANY, GA 31702
DOUGHERTY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. GA 068
DETERMINATION MADE BY GEORGIA EPD (AGENCY) BILL MITCHELL (AGENCY CONTACT PERSON) (404)-656-6900 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/13/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TIRE SEALANT LINE		VOC	32.5000 T/YR	CARBON ADSORPTION	BACT 90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER GA-0003A

SOURCE TYPE CODE 6.55

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SYNTHETIC RUBBER/RUBBER TIRES 27700.00 LB/H INPUT

COMPANY NAME/SITE LOCATION FIRESTONE TIRE CO. WILSON, NC

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC-024
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TIRE PROCESS LINES	27700.00 LB/H				
BOILER		PM	11.1000 LB/H	BAGHOUSE AND CYCLONE	BACT 90.00
		SO2	106.0000 LB/H	1.0% SULFUR OIL	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 81000.00 LB/H EDC

COMPANY NAME/SITE LOCATION B.F. GOODRICH
HWY. 1523
CALVERT CITY, KY 42029
MARSHALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. KY 149
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/06/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EDC/VCM MANUFACTURING	81000.00 LB/H EDC				
		VC	10.0000 PPM	INCINERATOR	NESH 99.00
		NOX	0.2300 LB/MMBTU	FIREBOX DESIGN/LIM. EXCESS AIR	BACT

NOTES ----------
BASED ON NESHAP

ALSO PERMIT NUMBER C-80-88

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

ID NUMBER KY-0014

SOURCE TYPE CODE 6.59

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 404.00 MMLB/YR PVC

COMPANY NAME/SITE LOCATION B.F. GOODRICH CHEMICAL PEDRICKTOWN, NJ 08067
RT 130 -- PORCUPINE RD. SALEM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION II (AGENCY) LARRY KARAS (AGENCY CONTACT PERSON) (212)-264-9538 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/25/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 404.00 MMLB/YR

COMPANY NAME/SITE LOCATION B.F. GOODRICH CHEMICAL PEDRICKTOWN, NJ

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION II (AGENCY) PETER FLYNN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/06/82
ESTIMATED DATE OF START-UP--
(609)-264-2611 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SUSPENSION RESIN PRODUCTION LINE	260.00 MMLB/YR				
		VC	400.0000	PPM DAILY AV	
			25.0000	PPM, ANNUAL AVG	
				STEAM STRIPPING	
MONOMER RECOVERY					
		VC	10.0000	PPM	
				SOLVENT ABSORB. SYS/BACKUP INCIN.	
REACTOR OPENING LOSS					
		VC	0.0200	G/KG	
				STEAM STRIPPING	
				CLOSED POLYTECHNOLOGY	
DISPERSION RESIN LINE	96.00 MMLB/H				
		VC	1350.0000	PPMW/YR AV	
			2000.0000	PPMW/D AV	
				STEAM STRIPPING	
DRYER FACILITY					
		PM	0.0200	GR/SCF	SIP
				BAGHOUSE	

(CONTINUED) B.F. GOODRICH CHEMICAL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RELIEF VALVE DISCHARGE		VC		COMPUTER REACTION CONTROLLER	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 275000.00 T/YR

COMPANY NAME/SITE LOCATION B.F. GOODRICH CO. CALVERT CITY, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-82-65
DETERMINATION MADE BY KENTUCKY EPA (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/27/82
ESTIMATED DATE OF START-UP-- 1983
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLUID BED DRYERS, 2	100000.00 LB/H	PM	4.4800 LB/H 18.7400 T/YR WET SCRUBBER	BACT 99.90
PVC STORAGE SILOS, 4	438000.00 T/YR	PM	1.8400 LB/H 2.5900 T/YR BAG FILTERS	BACT
BULK PVC STORAGE SILOS, 8	584000.00 T/YR	PM	4.2900 LB/H 1.5900 T/YR BAG FILTERS	BACT
REACTOR OPENING VENT	275000.00 T/YR	VCM	20.0000 LB/MMLB PVC	BACT
BLEND TANKS, 3		VCM	0.0400 LB/H 27.5000 T/YR	BACT

(CONTINUED) B.F. GOODRICH CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT FUGITIVES		VCM	27.5000 T/YR	

NOTES ----------
INCINERATOR NOT LISTED UNDER PERMIT # C-82-65.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 957.00 MT/YR

COMPANY NAME/SITE LOCATION FORMOSA PLASTICS POINT COMFORT, TX CALHOUN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-226
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/18/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, 5 EA	80.00 MMBTU/H				
		NOX	0.1100 LB/MMBTU	LOW NOX BURNERS	BACT
		VOC	0.0029 LB/MMBTU	FLUE GAS O2 CONTROL	BACT
HEATERS, 2	21.00 MMBTU/H EA				
		NOX	0.1800 LB/MMBTU	LOW NOX BURNERS	BACT
		VOC	0.0040 LB/MMBTU	FLUE GAS O2 CONTROL	BACT
INCIN., 2	22.00 MMBTU/H EA				
		NOX	0.1200 LB/MMBTU	LOW NOX BURNERS	BACT
		VOC	0.0200 LB/MMBTU	FLUE GAS O2 CONTROL	BACT
EPC CRACKERS	57.00 MMBTU/H				
		NOX	0.1500 LB/MMBTU	LOW NOX BURNERS	BACT
		VOC	0.0029 LB/MMBTU	FLUE GAS O2 CONTROL	BACT

(CONTINUED) FORMOSA PLASTICS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PVC DRYERS		VOC	21.0000 LB/H	400 PPM VCM IN PVC SLURRY	BACT
COOLING TOWER		VOC	0.1800 LB/H	SAMPL. H2O FOR VCM/5PPB HC LIM	BACT
VALVES		VOC	2.1000 LB/H	MAINTENANCE PROGRAM	BACT
FLANGES		VOC	2.1400 LB/H	MAINTENANCE PROGRAM	BACT
PUMPS		VOC	0.1400 LB/H	DOUB. MECH. SEALS & INCIN	BACT
COMPRESSOR		VOC	0.0900 LB/H	DOUB. MECH. SEALS & INCIN	BACT
STARTUP/SHUTDOWN		VOC	0.1100 LB/H	COMPLIANCE FROM NESHAPS	BACT
WATER TREATMENT		VOC	0.1100 LB/H	STEAM STRIP WASTEWATER	BACT
GAS HOLDER I		VOC	0.0400 LB/H	PURGE TO BOILER/INCIN	BACT
GAS HOLDER II		VOC	0.0020 LB/H	PURGE TO BOILER/INCIN	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 350.00 MT/YR

COMPANY NAME/SITE LOCATION SHINLOCH, INC. FREEPORT, TX 77541
5618 HIGHWAY 352 EAST

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-327
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOE WINKLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/05/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM BOILER	55.00 MMBTU/H	NOX	0.1200 LB/MMBTU	LOW NOX BURNERS	BACT
STEAM BOILER	55.00 MMBTU/H	NOX	0.1200 LB/MMBTU	LOW NOX BURNERS	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- VINYL CHLORIDE/POLYVINYL CHLORIDE 350.00 MT/YR

COMPANY NAME/SITE LOCATION SHINTECH, INC. FREEPORT, TX
BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-TX-285
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/17/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER STACKS, 2		PM	1.8000 LB/H EA	
REACTOR VENT FAN		PM		
PNEUMATIC VENTS, 7		PM	1.0600 LB/H EA	
INCIN. STACKS, 2		PM		
BOILER, 2	55.00 MMBTU/H EA	PM	0.3000 LB/H	
FUGITIVE EMISSIONS		PM		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 10.00 MMGAL/YR

COMPANY NAME/SITE LOCATION ADC-I, LIMITED HASTINGS, NE

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NEBRASKA DEC (AGENCY) GENE ROBINSON (AGENCY CONTACT PERSON) (402)-471-2189 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/22/83
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	100.00 MMBTU/H				
		PM	0.0300 LB/MMBTU	FABRIC FILTER	99.00
		SO2	1.2000 LB/MMBTU	LOW SULFUR FUEL	
		NOX	0.5000 LB/MMBTU	BOILER DESIGN & OPERATION	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 40.00 MMGAL/YR

COMPANY NAME/SITE LOCATION AM. MODERN FOOD ENERGY SYS AMES, IA STORY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY) DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/15/81
ESTIMATED DATE OF START-UP--
(816)-374-6525 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, PULV. COAL	150.00 MMBTU/H	SO2	2.0000 LB/MMBTU	LOW SULFUR WESTERN COAL	BACT
		NOX	0.7000 LB/MMBTU	LOW EXCESS AIR, STAGED BURN	BACT
		PM	0.0300 LB/MMBTU	FABRIC FILTER	NOTE
TWO BOILERS, OIL/GAS	94.50 MMBTU/H EA	SO2	0.5000 LB/MMBTU	#2 FUEL OIL (IF NO NAT. GAS)	BACT
		NOX	0.2500 LB/MMBTU OIL 0.2000 LB/MMBTU NAT GAS		BACT
		PM	0.0300 LB/MMBTU	FABRIC FILTER	NOTE
MISCELLANEOUS BAGHOUSES		PM	0.0011 G/SCF		

NOTES ----------
THE PLANT'S STEAM PRODUCTION CAPACITY IS 275000 LB/HR. THE PERMITS LIMITS S TEAM PROD. TO 165000 LB/HR. BECAUSE AMPFES'S MODEL ING STUDIES WERE BASED ON THI S LEVEL OF OPERATION. THE P.M. LIMITS ARE NOT BACT. THE LIMITS WERE IMPOSED BECAUSE THE APP LICANT BASED A P.M. NON-APPLICABILITY DETERMINATION ON THIS EMISSION RATE. PERMIT AMENDED 05/15/81.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION ARCHER DANIELS MIDLAND PEORIA, IL
PEORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 81 07 0035
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/28/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, NAT. GAS FIRED	90.00 MMBTU/H				
		NOX	0.1700 LB/MMBTU	EQUIPMENT DESIGN	
BYPRODUCT DRYER	30.00 T/H				
		NOX	0.1600 LB/MMBTU	EQUIPMENT DESIGN	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 10.20 MMGAL/YR

COMPANY NAME/SITE LOCATION CONSOLIDATED ENERGY GROUP, LTD. GOWRIE, IA
WEBSTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY) CHARLES WHITMORE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/13/81
ESTIMATED DATE OF START-UP--
(816)-374-6525 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, STOKER	113.00 MMBTU/H				
		SO2	2.0000 LB/MMBTU	LOW SULFUR COAL	BACT
		NOX	0.6000 LB/MMBTU	DESIGN FEATURES STAGED COMBUST. STOKER FEEDER	BACT
		PM	0.0300 LB/MMBTU 14.9000 T/YR	BAGHOUSE	BACT
COAL HANDLING					
		PM	1.1200 T/YR	DUST SUPPRESSANT	BACT
GRAIN HANDLING					
		PM	4.2200 T/YR	FABRIC FILTER	BACT
DOGS VENT					
		PM	35.0400 T/YR	EXPANSION CHAMBER	BACT

(CONTINUED) CONSOLIDATED ENERGY GROUP, LTD.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENTIRE FACILITY				
		VOC	115.0000 T/YR SCRUBBERS, FLOATING ROOF	BACT

NOTES ----------
8760 HOURS/YR OPERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1993

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 23.00 MMGAL/YR ETHENOL

COMPANY NAME/SITE LOCATION MAPEE ALCOHOL FUEL, INC. CACTUS, TX
MOORE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-374
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS STM GEN, COAL FIRED	174.10 MMBTU/H				
		PM	0.0370 LB/MMBTU	FABRIC FILTERS	BACT
		NOX	0.7000 LB/MMBTU	LOW EXCESS AIR	BACT
		SO2	0.6800 LB/MMBTU	LOW SULFUR COAL	BACT
AUXILIARY BOILER, NAT. GAS	35.00 MMBTU/H				
		PM	0.0100 LB/MMBTU	USE OF NAT. GAS FUEL	BACT
		NOX	0.0006 LB/MMBTU	LOW EXCESS AIR	BACT
		SO2	0.0006 LB/MMBTU	USE OF NAT. GAS FUEL	BACT
DRYERS, 2 NAT. GAS FIRED	31.40 MMBTU/H EA				
		PM	0.1800 LB/MMBTU	2 CYCLONES IN SERIES	BACT 85.00
		NOX	0.1100 LB/MMBTU	LOW EXCESS AIR	BACT
		SO2	0.0006 LB/MMBTU	USE OF NATURAL GAS AS FUEL	BACT

(CONTINUED) MAPEE ALCOHOL FUEL, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
3 GRAIN CONVERGING POINTS					
		PM	0.0030 LB/H EA	BAG FILTERS	BACT 99.90
TRANSFER OF MILO					
		PM	0.0440 LB/H	BAG FILTERS	BACT 99.90
MILO INLOADING & HANDLING					
		PM	0.8800 LB/H	BAG FILTERS	BACT 99.90
GRAIN CONVEY, STORAGE TO TRUCK					
		PM	0.0200 LB/H	BAG FILTERS	BACT 99.90
GRAIN PELLET CONVEY TO RR CAR					
		PM	0.0980 LB/H	CYCLONE	BACT 99.50
GRAIN PELLET COVEY TO COOLER					
		PM	0.2300 LB/H	CYCLONE	BACT 99.50
4 MILLING OF MILO POINTS					
		PM	1.1000 LB/H EA	BAG FILTER	BACT 99.90
2 TRANSFER OF MILO POINTS					
		PM	0.1600 LB/H EA	BAG FILTER	BACT 99.90
2 H2SO4 STORAGE TANKS					
		SO2	0.0400 LB/H EA	SINGLE VENT W/DESCATOR	BACT
TRUCK LOADING OF BOILER ASH					
		PM	6.3000 LB/H	BAG FILTER	BACT 99.50

(CONTINUED) MAPEE ALCOHOL FUEL, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TRANSFER OF ASH		PM	0.3200 LB/H	BAG FILTER	BACT 99.50
COAL UNLOAD		PM	0.3000 LB/H	BAG FILTER	BACT 99.90
COAL HANDLING #1		PM	0.6000 LB/H	BAG FILTER	BACT 99.90
COAL HANDLING #2		PM	0.0520 LB/H	BAG FILTER	BACT 99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION MIDWEST SOLVENTS PEKIN, IL

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 82 10 0034
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/17/83
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, FLUIDIZED BED	170.00 MMBTU/H				
		PM	0.0300	LB/MMBTU	SIP
				FABRIC FILTER	99.00
		SO2	1.2000	LB/MMBTU 30D AV	LAER
			85.0000	% REDUCTION	
				FLUIDIZED LIMESTONE BED	
		NOX	0.6000	LB/MMBTU	BACT
				EQUIPMENT DESIGN	
		CO		SEE NOTE	
				EQUIPMENT DESIGN	
ASH HANDLING					
		PM	0.0300	GR/DSCF	SIP
				FABRIC FILTER	99.00
FUGITIVE EMISSIONS					
		PM			
				ROUTINE CONTROL MEASURES	

NOTES ----------
NOTE - ALSO PERMIT NUMBER 179 060 AAD. PM - PROJECT NOT A MAJOR MODIFICATION FO PM. EMISSIONS CONDITIONED TO BELOW SIP. CO - C O EMISSION LIMIT TO BE SET BASED UPON RESULTS OF TRIAL OPERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 10.00 MMGAL/YR

COMPANY NAME/SITE LOCATION NEBRASKA ALCOHOL FUEL CORP. 84TH & FLETCHER LINCOLN, NE

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NEBRASKA DEC (AGENCY) GENE ROBINSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/21/82
ESTIMATED DATE OF START-UP--
(402)-471-2189 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	66.35 MMBTU/H				
		SO2	1.1600 LB/MMBTU	LOW S FUEL	
		PM	0.0500 LB/MMBTU	FABRIC FILTER	
		NOX	0.5000 LB/MMBTU	BOILER DESIGN	99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION NEW ENERGY CORP. SOUTH BEND, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-82-1
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/03/81
ESTIMATED DATE OF START-UP-- 1984
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL-FIRED BOILER	342.60 MMBTU/H				
		SO2	1.2000 LB/MMBTU 3H AV	0.75% SULFUR COAL	
		NOX	0.7000 LB/MMBTU		
		PM	0.0300 LB/MMBTU	BAGHOUSE	LAER 99.70
OIL-FIRED BOILER	176.00 MMBTU/H				
		SO2	0.3100 LB/MMBTU	MAX 0.3% SULFUR OIL	
		PM	0.0200 LB/MMBTU		
		NOX	0.6000 LB/MMBTU		LAER

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER IN-0001

SOURCE TYPE CODE 6.61

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 25.00 MMGAL/YR

COMPANY NAME/SITE LOCATION NEW ENGLAND ETHANOL, INC. AUBURN, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2191
DETERMINATION MADE BY MAINE DEP (AGENCY) ROBERT BALLEW (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/10/83
ESTIMATED DATE OF START-UP-- 1986
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL	175.00 MMBTU/H				
		SO2	1.8000 LB/MMBTU	MAX 1.2% S CONTENT BY WT	BACT
		NOX	0.7000 LB/MMBTU 2H AV		BACT
		PM	0.0800 LB/MMBTU	BAGHOUSE	BACT
				OPACITY MONITOR, O2, & CO MONITORS	
BOILER, NO. 2 OIL	175.00 MMBTU/H				
		SO2		NO. 2 FUEL	BACT
		PM		NO. 2 FUEL / OPACITY, CO, & O2 MONITORS	BACT
COAL HANDLING					
		PM		BAGHOUSE ON SILO	BACT
ASH HANDLING				SURFACTANT COATED, ENCLOSED HANDLING	99.90
		PM		BAGHOUSE ON VENT	BACT
				3 DAY STORAGE SILO, H2O ADDED FOR TRANSPORT	99.90

(CONTINUED) NEW ENGLAND ETHANOL, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROADS & PARKING					
TRUCK & RAIL TRANSFER, ETHANOL		PM		AREA PAVED, VEGETATED, OR COVERED	BACT
STORAGE TANK, ETHANOL		VOC		VAPOR RECOVERY	BACT 95.00
STORAGE TANK, CYCLOHEXANE		VOC		VAPOR RECOVERY	BACT 95.00
STORAGE TANK, ALDEHYDE		VOC		VAPOR RECOVERY	BACT 95.00
STORAGE TANK, OIL		VOC		VAPOR RECOVERY	BACT 95.00
STORAGE TANK, GASOLINE & DIESEL		VOC		VAPOR RECOVERY	BACT 95.00
DRYER, GRAIN & SOLUBLES, DDGS		VOC		VAPOR RECOVERY	BACT 95.00
MATERIAL HANDLING, CORN UNLOADI*		PM	4.0800 LB/H	BAGHOUSE	BACT 99.90
MATERIAL HANDLING, CORN CONVEYI*		PM		NEG. PRESSURE BAGHOUSE	BACT 99.90
		PM		BAGHOUSE	BACT 99.90

(CONTINUED) NEW ENGLAND ETHANOL, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATERIAL HANDLING, CORN CLEANING		PM		BAGHOUSE	BACT 99.90

NOTES ----------
NO. 2 OIL BOILER IS BACK UP FOR COAL BOILER. COMBINED FIRING RATE AT ANY ONE TIME SHALL NOT EXCEED 175 MMBTU. THE COAL BOILER SHALL BE CAPABLE OF MEETING 0.080 LB/MMBTU PM WITH ONE MODULE OFF LINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION PEAT METHANOL ASSOCIATES NEAR CRESWELL, NC
WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 4930
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-6126 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/07/82
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PEAT DRYER	52.50 MMBTU/H				
		PM	3.2000 LB/H		
				CYCLONE/ESP	98.80
		SO2	10.7000 LB/H		
			0.2000 LB/MMBTU		
				.26% LOW S PEAT	
PEAT BOILER	300.00 MMBTU/H				
		PM	9.7000 LB/H		
			0.0330 LB/MMBTU		
				BAGFILTER	98.00
		SO2	153.0000 LB/H		
			0.5100 LB/MMBTU		
				.26% LOW S PEAT	
SULFUR RECOVERY					
		SO2	23.0000 LB/H		
				CLAUS/SCOT PLANT	99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ALCOHOL FUEL PRODUCTION 20.00 MMGAL/YR

COMPANY NAME/SITE LOCATION ROCK ISLAND LIQUID FUELS, INC. ROCK ISLAND, IL
ROCK ISLAND COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 81100017
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/01/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GRAIN HANDLING & STORAGE	8.00 MMBU/YR CORN	PM	4.5300 LB/H		SIP
DISTILLATION ETHANOL STORAGE		VOC	2.1800 LB/H		SIP

NOTES ----------
NON-MAJOR PROJECT DEEMED CONTROVERSIAL DUE TO PUBLIC INTEREST. PUBLIC HEARING HELD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ADVANCE RESEARCH CHEMICALS, INC. BROKEN ARROW, OK

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. T84-13
DETERMINATION MADE BY TULSA CITY-COUNTY HEALTH DEPT (AGENCY) J. VAN SANDT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/14/84
ESTIMATED DATE OF START-UP-- 1984
(918)-744-1000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTORS, BATCH, METALLIC HALID*	30000.00 LB/YR	F	40.0000 LB/YR	SCRUBBERS WATER & KOH	99.90
		PM	1.0000 T/YR		

NOTES ----------
PERMIT MAX LIMITS SET AT 100 LB/YR HALIDE GAS EMISSIONS & 75000 LB/YR PRODUCT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

ID NUMBER OK-0020

SOURCE TYPE CODE 6.62

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION AEROJET STRATEGIC PROPULSION , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 7542
DETERMINATION MADE BY SACRAMENTO APCD (AGENCY) ROBERT KNIGHT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/01/83
ESTIMATED DATE OF START-UP--
(916)-366-2107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CHEMICAL PROCESS		VOC	16.5000 LB/D	CARBON ADSORBER	98.00

NOTES ----------
NOT NSR BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- OTHER CHEMICAL 88000.00 T/YR

COMPANY NAME/SITE LOCATION AIRCO CARBIDE, DIV. OF AIRCO, INC. CALVERT CITY, KY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. C-80-28
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/06/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTRIC ARC FURNACE	88000.00 T/YR	PM	PROCESS LIMITED	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL 15900.00 T/YR

COMPANY NAME/SITE LOCATION AIRCO SPEER ST. MARY'S, PA
ELK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 80PA06
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/20/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GRAPHITIZING FURNACE	15.90 MT/YR				
		PM	18.3000 LB/H	INCINERATION (AFTER BURNER)	BACT
		SO2	30.5000 LB/H		BACT
		CO	545.0000 LB/H		BACT
		H2S	5.3000 LB/H		BACT
		SO2	55.5000 LB/H		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION AIRCO SPEER ST. MARY'S, PA ELK COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 79-PA-26
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/15/80
ESTIMATED DATE OF START-UP-- 1980
(215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COKE BURNING KILN, 2	75.00 MLB/H				
		PM	1.7400 LB/H		BACT
				BAGHOUSE/INCINERATOR	99.80
		SO2	0.4400 LB/H		BACT
				% SULFUR IN COKE	
		CO	0.0800 LB/H		BACT
KILN, 2	75.00 MLB/H				
		PM	1.7400 LB/H		BACT
				BAGHOUSE/INCINERATOR	99.80
		SO2	0.4400 LB/H		BACT
				% SULFUR IN COKE	
		CO	0.0800 LB/H		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION AIRCO SPEER CARBON GRAPHITE , LA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. LA-283
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/05/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DUST COLLECTOR Q.C. & I. LAB.		PM	0.2100 LB/H	BAGFILTERS	BACT 99.00
DUST COLLECTOR, MAINTENANCE AND*		PM	0.1300 LB/H	BAGFILTERS	BACT 99.00
DUST COLLECTOR, PROCESS MATERIA*	3.10 MMBTU/H	PM	1.2900 LB/H	BAGFILTER	BACT 99.80
		CO	0.0500 LB/H	NONE	BACT
DUST COLLECTOR, PROCESS MATERIA*		PM	1.0300 LB/H	BAGFILTER	BACT 99.90
SILO VENT FILTER, PROCESS MATER*		PM	0.0700 LB/H EA	BAGFILTER	BACT 99.90

(CONTINUED) AIRCO SPEER CARBON GRAPHITE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DUST COLLECTOR, FINISHING & SHI*					
		PM	1.2900 LB/H		BACT
				BAGFILTER	99.80
CONDENSER, PRIMARY PITCH TANKS *					
		PM	0.0400 LB/H EA		BACT
				CONDENSER VAPOR RECOVERY	99.00
PREHEATER COMBUSTION STACKS P.I*	0.40 MMBTU/H EA				
		PM	TRACE EA		BACT
			NONE		
		SO2	TRACE EA		BACT
			NONE		
		CO	TRACE EA		BACT
			NONE		
		H2S	TRACE EA		BACT
			NONE		
CONDENSER, SECONDARY PITCH TANK*					
		PM	0.0100 LB/H EA		BACT
				VAPOR RECOVERY	99.00
DUST COLLECTOR MILL, MIX AND EX*					
		PM	1.3700 LB/H EA		BACT
				BAGFILTER	99.80
DUST COLLECTOR MILL, MIX AND EX*					
		PM	0.6900 LB/H		BACT
				BAGFILTER	99.80
SILO VENT FILTER MILL, MIX & EX*					
		PM	0.0500 LB/H EA		BACT
				BAGFILTER	99.00
CONDENSER,PRIMARY PITCH TANK MI*					
		PM	0.0400 LB/H EA		BACT
				VAPOR RECOVERY	99.00

(CONTINUED) AIRCO SPEER CARBON GRAPHITE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONDENSER PRIMARY TAR TANK MILL*					
SCRAP CRUSHINGS		PM	0.0500 LB/H	VAPOR RECOVERY	BACT 99.00
LOAD - UNLOAD		PM	1.3700 LB/H	BAGFILTER	BACT 99.80
LOAD - UNLOAD, 4		PM	0.6900 LB/H	BAGFILTER	BACT 99.80
CARBOTTOM BAKING, 4	136.00 MMBTU/H EA	PM	1.3700 LB/H EA	BAGFILTER	BACT 99.80
		PM	17.8000 LB/H EA	INCIN.	BACT
		SO2	45.1300 LB/H EA	0.7% S OIL	BACT
		CO	0.4700 LB/H EA	NONE	BACT
SIDEBLOCK MFG.					
SILO VENT FILTER GRAPHITIZING, *		PM	1.3700 LB/H	BAGFILTER	BACT 99.70
MONITOR GRAPHITIZING, 4		PM	0.0700 LB/H EA	BAGFILTER	BACT 99.00
		PM	18.5000 LB/H EA	NONE	BACT
		SO2	44.3100 LB/H EA	0.8% S COKE & ELECTRODES	BACT
		CO	1348.3000 LB/H	NONE	BACT
		H2S	46.0600 LB/H EA	0.8% S COKE & ELECTRODES	BACT

(CONTINUED) AIRCO SPEER CARBON GRAPHITE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STACK GRAPHITIZING, 4					
		SO2	81.0900 LB/H EA	0.8% S COKE & ELECTRODES	BACT
		CO	6.6500 LB/H EA	NONE	BACT
		H2S	15.3500 LB/H EA	0.8% S COKE & ELECTRODES	BACT
CALCINER BOILER, GAS, OIL	56.20 MMBTU/H				
		PM	5.7000 LB/H	NONE	BACT
		SO2	171.6000 LB/H	0.7% S OIL	BACT
		CO	5.7000 LB/H	WASTE HEAT BOILERS	BACT
COKER, OIL/GAS	71.60 MMBTU/H				
		PM	4.4000 LB/H	NONE	BACT
		SO2	62.8600 LB/H	0.7% S OIL	BACT
		CO	2.2000 LB/H	WASTE HEAT BOILER	BACT
FURNACE, NAT. GAS	2.20 MMBTU/H				
		PM	0.1100 LB/H	NONE	BACT
		SO2	0.6300 LB/H	NONE	BACT
		CO	0.1100 LB/H	NONE	BACT

NOTES ----------
MFG GRAPHITE ELECTRODES FOR USE IN ELECTRIC ARC FURNACES FOR THE STEEL INDUSTRY. RAW MATERIALS INCLUDE: LIQUID PITCH, OIL, NAT URAL GAS, BINDERS, SAND, & VARIOUS ADITIVES. TRACE EQUALS LESS THAN 0.01 LB/HR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ALLIED CHEMICAL SCOTLANDVILLE, LA
EAST BATON ROUGE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-104
DETERMINATION MADE BY EPA REGION VI (AGENCY)
TOM DIGGS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/21/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	131.00 MMBTU/H				
		PM	0.0015 LB/MMBTU	LIMESTONE SCRUBBER	BACT 99.00
		SO2	0.0740 LB/MMBTU	LOW SULFUR OIL (.7 %)	BACT
		NOX	0.3000 LB/MMBTU	LOW EXCESS AIR	BACT
		VOC	0.0064 LB/MMBTU	EFFICIENT COMBUSTION	BACT
REGENERATION HEATER	4.00 MMBTU/H				
		PM	0.0190 LB/MMBTU	EFFICIENT COMBUSTION	BACT
		SO2	0.0023 LB/MMBTU	LOW SULFUR OIL (.7 %)	BACT
		NOX	0.2000 LB/MMBTU	LOW EXCESS AIR	BACT
		VOC	0.0003 LB/MMBTU	EFFICIENT COMBUSTION	BACT
CATALYST ACTIVATOR					
		PM	0.1200 LB/H	MAINTENANCE PROGRAM	BACT

(CONTINUED) ALLIED CHEMICAL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CATALYST ACTIVATOR VENT					
PURGE FLARE		PM	0.1400 LB/H		
		VOC	0.5300 LB/H	STEAM INJECTION	BACT
POWDER BLOWER		PM	3.0000 LB/H	MAINTENANCE PROGRAM	BACT
FEED BLOWER		PM	3.0000 LB/H	MAINTENANCE PROGRAM	BACT
FEED BLOWER		PM	3.0000 LB/H	MAINTENANCE PROGRAM	BACT
BLENDER BLOWER		PM	3.0000 LB/H	MAINTENANCE PROGRAM	BACT
BLENDER BLOWER		PM	3.0000 LB/H	MAINTENANCE PROGRAM	BACT
PELLET BLOWER		PM	3.0000 LB/H	MAINTENANCE PROGRAM	BACT
TRANSFER BLOWER		PM	3.0000 LB/H	MAINTENANCE PROGRAM	BACT
FUGITIVE EMISSIONS		VOC	6.3000 LB/H	CHECK ONCE PER MONTH	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 12000.00 T/YR

COMPANY NAME/SITE LOCATION AMERICAN CHROME & CHEMICAL, INC. , TX
NUECES COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9212
DETERMINATION MADE BY TEXAS ACB (AGENCY) AMBA MANN (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/29/82
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SCRUBBER #1					
		NAOH	0.5000 LB/H	VENTURI SCRUBBER	95.00
SCRUBBER #2					
		CL	0.5000 LB/H	VENTURI SCRUBBER	95.00
		ACI*	0.1200 LB/H	VENTURI SCRUBBER	95.00
		SOD*	0.1400 LB/H		
SCRUBBER #3					
		ACI*	0.4400 LB/H	VENTURI SCRUBBER	99.50

NOTES ----------
DETERMINED BY MODELING AND HEALTH EFFECTS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL 220.00 MMLB/YR

COMPANY NAME/SITE LOCATION AMERICAN HOECHST PASADENA, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 5264
DETERMINATION MADE BY TEXAS ACB (AGENCY) SAM CROWTHER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/01/77
ESTIMATED DATE OF START-UP-- 1980
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANKS		VOC	0.5500 T/YR	CONDENSOR & CARBON ABSORBER	AP42 90.00
STORAGE BINS		PM	2.3000 T/YR 350.0000 UG/CU. M	CYCLONES	TECH
PROCESS VENTS		VOC		NONE VENTED TO FUEL SYSTEM OR FLARE	

NOTES ----------
FIRST TEXAS POLYETHYLENE PLANT WITH NO PROCESS VENTS TO ATMOSPHERE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ARKANSAS EASTMAN BATESVILLE, AR
INDEPENDENCE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-AR-311
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL-FIRED	193.00 MMBTU/H				
		PM	0.0600 LB/MMBTU	ELECTROSTATIC PRECIPITATOR	BACT 99.00
		SO2	1.6000 LB/MMBTU	LOW SULFUR COAL (1.0% S)	BACT
		NOX	0.6000 LB/MMBTU	FLUE GAS OXYGEN MONITOR	BACT
COAL HANDLING SYS					
		PM	1.0000 LB/H	EXISTING CONTROL EQUIP. COVERS, VENTS AND SPRAYING	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION BASF-WYANDOTTE
P.O. BOX 181
PARSIPPANY, LA 07054

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOE WINKLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM BOILER	303.00 MMBTU/H	NOX	36.4000 LB/H 0.1200 LB/MMBTU	LOW NOX BURNER	BACT

NOTES ----------
NATURAL GAS USED AS FUEL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 5500.00 MMLB/YR (SEE NOTE)

COMPANY NAME/SITE LOCATION B.F. GOODRICH CHEMICAL GROUP CONVENT, LA ST. JAMES PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-326
DETERMINATION MADE BY EPA REGION VI (AGENCY) BILL TAYLOR (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/24/80
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EDC CRACKING FURNACES	98.00 MMBTU/H EA				
		PM	0.0110 LB/MMBTU	NATURAL GAS AS FUEL	BACT
		SO2	0.0006 LB/MMBTU	NATURAL GAS AS FUEL	BACT
		NOX	0.1400 LB/MMBTU	LOW NOX BURNER STAGED BURN + LOW FLAME TEMP.	BACT
		CO	0.0180 LB/MMBTU	O2 FLUE GAS MONITORING	BACT
PVC SILOS, 52 EA	150.00 MMBTU/H				
		PM	6.1600 LB/H	MULTI-COMPARTMENT BAGHOUSE	BACT 99.70
		NOX	0.4700 LB/MMBTU	O2 FLUE GAS MONITORING	BACT
		CO	0.0090 LB/MMBTU	O2 FLUE GAS MONITORING	BACT
WASTE GAS INCIN.	24.00 MMBTU/H				
		NOX	0.4900 LB/MMBTU	O2 FLUE GAS MONITORING	BACT
		CO	0.0010 LB/MMBTU	FLUE GAS MONITORING	BACT

PM	4.5600 LB/H CYCLONE SEPERATOR + WET SCRUB. BOTH DEVICES RECYCLED		BACT 99.70

(CONTINUED) B.F. GOODRICH CHEMICAL GROUP

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	338.00 MMBTU/H				
		PM	0.0150 LB/MMBTU		BACT
				BAGHOUSE, MULTI-COMPARTMENT	99.70
		SO2	0.3300 LB/MMBTU		BACT
				FLUE GAS DESULFURIZATION	96.00
		NOX	0.7000 LB/MMBTU		NSPS
				BOILER DESIGN	
		CO	0.0800 LB/MMBTU		BACT
				HIGH EXCESS AIR	

NOTES ----------
4 EDC CRACKING FURNACES (NATURAL GAS FIRED), 52 PVC SILOS WASTE GAS INCINERATOR, WASTE GAS INCINERATOR, AND 4 PVC DRYERS USING STEAM PRODUCED BY A COAL-FIRED SPREADER STOKER BOILER. EDC - 2700 MMLB/YR, VCM - 1700 MMLB/YR, PVC -1100 MM LB/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION B.F. GOODRICH CO. AVON LAKE, OH LORAIN COUNTY

DETERMINATION IS B/L
PERMIT NO. 1947030004
DETERMINATION MADE BY OHIO EPA NED (AGENCY) DENNIS BUSH (AGENCY CONTACT PERSON) (216)-425-9171 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/30/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILER	238.00 MMBTU/H				
		SO2	1.2000 LB/MMBTU		LAER
			1250.0000 T/YR		
				FLUIDIZED BED COMBUSTION	90.00
		CO	0.1900 LB/MMBTU		BACT
			200.0000 T/YR		
				COMBUSTION CONTROL	
		NOX	0.7000 LB/MMBTU		BACT
			730.0000 T/YR		
				COMBUSTION CONTROL	
		PM	0.0600 LB/MMBTU		BACT
			63.0000 T/YR		
				FABRIC FILTER	99.00

NOTES ----------
INTERNAL OFFSETS FOR SO2 PROVIDED BY REDUCING SULFUR CONTENT OF COAL USED IN EXISTING BOILERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 152.30 MMBTU/H

COMPANY NAME/SITE LOCATION B.F. GOODRICH, CHEMICAL DIV
BULLS LANE
LOUISVILLE, KY
JEFFERSON COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. KG-091
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY)
JOHN MCCARTHY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/28/80
ESTIMATED DATE OF START-UP--
(502)-587-3327 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILER					
		PM	0.0300 LB/MMBTU	BAGHOUSE	98.60
		SO2	1.0000 LB/MMBTU	LOW S COAL	85.00

NOTES ----------
SUBJECT TO NON-ATTAINMENT REQUIREMENTS OF THE KENTUCKY SIP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL 18000.00 BBL

COMPANY NAME/SITE LOCATION CONOCO CHEMICAL CO. LIVERPOOL, TX
BRAZORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X-3826
DETERMINATION MADE BY TEXAS ACB (AGENCY) ED KASPRZYK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/01/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANKS, 2	1.19 MMBBL/YR EA	BEN*	1.3000 T/YR	INT. FLOAT. ROOF W/DOUBLE SEALS SEAL POTS VENT TO ACTIV. CHARCOAL BEDS	AP42

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DIAMOND SHAMROCK CORP. CASTLE HAYNE, NC

NEW HANOVER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NC 058
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SODIUM BICHROMATIC PLANT/BOILERS	32.50 T/H				
		SO2	25.0000 LB/MMBTU	SCRUBBER/LOW SULFUR COAL ADDITION	BACT
		PM	96.4300 UNKNOWN	BAGHOUSE-SCRUBBER ADDITION	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER NC-0004

SOURCE TYPE CODE 6.62

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DOW CHEMICAL CLUTE, TX
BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. X3873
DETERMINATION MADE BY TEXAS ACB (AGENCY) L. ROBERTS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/01/82
ESTIMATED DATE OF START-UP--
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRODUCT STRIPPER		ALK*	2.1000 T/YR	PACKED TOWER WATER SCRUBBER	96.00

NOTES ----------
EMISSIONS ARE SUSPECTED CARCINOGENS, MUTAGENS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DOW CHEMICAL CO. PLAQUEMINE, LA
IBERVILLE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-393
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/11/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, NAT. GAS-FIRED, 2 EA	1203.00 MMBTU/H				
		NOX	0.4400 LB/MMBTU	STEAM INJECTION	NSPS 85.00
		CO	0.1200 LB/MMBTU	GOOD COMBUSTION PRACTICE	BACT

NOTES ----------
2 NATURAL GAS-FIRED TURBINE GENERATOR SETS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION EMERY INDUSTRIES CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. OHIO 14-312
DETERMINATION MADE BY SW OHIO APC (AGENCY) JIM BAIRET (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/23/80
ESTIMATED DATE OF START-UP--
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL-FIRED	35.00 MMBTU/H				
		PM	0.0600 LB/MMBTU		
		SO2	1.6000 LB/MMBTU	LOW S COAL < 1.0% S	
		NOX	0.7000 LB/MMBTU		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER OH-0013

SOURCE TYPE CODE 6.62

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ESK CORP. HENNEPIN, IL
PUTNAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79 04 0002
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/07/78
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, SILICON CARBIDE, 12	4.23 T/YR	SO2	967.0000 LB/H	MATERIAL SPECIFICATION & OPERATION	BACT
MATERIAL HANDLING & PROCESSING		PM	0.0150 GR/DSCF	FABRIC FILTER ENCLOSURES	BACT
		VE	0.0000 % OPACITY	COVERED VEHICLES	

NOTES ----------
SOURCE INITIALLY GRANTED TEMPORARY PSD PERMIT WITH FLARING OF H2S IN 1979. SOURCE ISSUED REVISED PSD PERMIT IN 4/84 AUTHORIZIN
G OPERATION WITH FLARING ON A PERMANENT BASIS. ALSO PERMIT NUMBER 155 801 AAC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION EXXON CHEMICAL BATON ROUGE, LA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-221
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/01/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
THERMAL OXIDIZERS, 2 EA	141.00 MMBTU/H				
		SO2	2.0600 LB/MMBTU		BACT
				THERMAL SCRUBBER	90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION E.I. DUPONT DE NEMOURS CIRCLEVILLE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-81-1
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/08/80
ESTIMATED DATE OF START-UP--
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL-FIRED, 2	70000.00 LB/H				
		SO2	1.6000 LB/MMBTU	1% S COAL	
		PM	0.0600 LB/MMBTU	BAGHOUSE FILTERS	
		NOX	0.6000 LB/MMBTU	LOW EXCESS AIR & BURNER DESIGN	

NOTES ----------
SOURCE NOT BUILT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION E.I. DUPONT DE NEMOURS LAPLACE, TX
ST. JOHN THE BAPTIST COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-335
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/28/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	240.00 MMBTU/H				
		PM	0.0500 LB/MMBTU OIL		
			0.0840 LB/MMBTU COAL		
				BAGHOUSE	99.20
		SO2	0.7900 LB/MMBTU OIL		
			1.6900 LB/MMBTU COAL		
				LOW SULFUR COAL (1.0%)	
		NOX	0.3000 LB/MMBTU OIL		
			0.6000 LB/MMBTU COAL		
				LOW NOX BURNERS	
COAL CAR UNLOAD					
		PM	0.2000 LB/H		BACT
				BAGHOUSE	99.00
CONVEYING TRANSFER					
		PM	0.1330 LB/H		BACT
				ENCLOSED	
LOAD					
		PM	0.2400 LB/H		BACT
				ENCLOSED	

(CONTINUED) E.I. DUPONT DE NEMOURS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EROSION		PM	0.0170 LB/H	WETTING	BACT
PILE EROSION		PM	0.0170 LB/H	WETTING	BACT
RECLAIMING		PM	0.0180 LB/H	DUST SUPPRESENT	BACT
PUMPING		PM	0.2120 LB/H	DUST SUPPRESENT	BACT
ASH HANDLING		PM	0.0050 LB/H	BAG FILTER	BACT 99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION FERRO CHEMICAL DIV OF FERRO CORP. BEDFORD, OH 44146

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-956
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKRAM HABIB (AGENCY CONTACT PERSON) (216)-664-3508 (PHONE)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	3.12 MMBTU/H	PM	0.1690 LB/H 0.0540 LB/MMBTU	WET SCRUBBER	95.00

NOTES ----------
SCRUBBER NEED ONLY BE OPERATED DURING COMBUSTION OF WASTE SOLVENT FUELS. SCRUBBER OPERATION NOT REQUIRED FOR NO.2 OIL OR NATUR AL GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION HCC CHEMICAL CO. CONVENT, LA
CONVENT CHEMICAL CORP. ST. JAMES PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-108
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/06/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, SPREADER STOKER	312.50 MMBTU/H				
		SO2	0.3200 LB/MMBTU COAL		BACT
				FLUE GAS DESULFURIZATION	96.00
		NOX	0.7000 LB/MMBTU COAL		BACT
				BOILER DESIGN	
		CO	0.0950 LB/MMBTU COAL		BACT
				BOILER OPERATION	
		PM	0.0200 LB/MMBTU COAL		BACT
				BAGHOUSE	99.70
		SO2	0.1400 LB/MMBTU RESID. OIL		BACT
				FLUE GAS DESULFURIZATION	96.00
		NOX	0.3000 LB/MMBTU RESID. OIL		NSPS
				BOILER DESIGN	
		CO	0.0360 LB/MMBTU RESID. OIL		BACT
				BOLER OPERATION	
		PM	0.0200 LB/MMBTU RESID. OIL		BACT
				BAGHOUSE	99.70
		SO2	0.3200 LB/MMBTU DIST OIL		BACT
				FLUE GAS DESULFURIZATION	96.00
		NOX	0.1600 LB/MMBTU DIST OIL		BACT
				BOILER DESIGN	
		CO	0.0360 LB/MMBTU DIST OIL		BACT

		BOILER OPERATION	
PM	0.0140	LB/MMBTU DIST OIL	BACT
		BAGHOUSE	99.70
SO2	0.0006	LB/MMBTU N. GAS	BACT
		GAS AS FUEL	
NOX	0.1700	LB/MMBTU N. GAS	BACT
		BOILER DESIGN	
CO	0.0170	LB/MMBTU N. GAS	BACT
		BOILER OPERATION	
PM	0.0100	LB/MMBTU N. GAS	BACT
		GAS AS FUEL	

(CONTINUED) HCC CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS/OIL	173.00 MMBTU/H				
		SO2	0.3200 LB/MMBTU	FLUE GAS DESULFURIZATION	BACT 96.00
		NOX	0.3000 LB/MMBTU	BOILER DESIGN	NSPS
		CO	0.0400 LB/MMBTU	BOILER OPERATION	BACT
		PM	0.0200 LB/MMBTU	BAGHOUSE	BACT 99.70
BOILER, WASTE GAS	230.00 MMBTU/H				
		NOX	0.2000 LB/MMBTU	BOILER DESIGN	
		PM	0.0100 LB/MMBTU	BAGHOUSE	99.70
COAL CRUSHER HOUSE		PM	2.1500 LB/H	BAGHOUSE	99.70
COAL BUNKER HOUSE		PM	0.3600 LB/H	BAGHOUSE	99.70
ASH SILO		PM	0.2300 LB/H	BAGHOUSE	99.70
COAL HANDLING		PM	5.3000 LB/H	HANDLING TECHNIQUES	

NOTES ----------
MODIFIED PERMIT ISSUED 11-06-80. SPREADER STOKER BOILER MAY USE NATURAL GAS, DISTILLATE OIL, OR RESIDUAL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ICI AMERICAS, INC. , VA
CHESTERFIELD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 50416
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) PAUL PITTS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/28/82
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VIRGIN CHIP BUNKER	6.50 T/H	PM	0.0025 LB/H	BAGFILTERS	99.90
VIRGIN CHIP HOPPER	11.20 T/H	PM	0.0025 LB/H	CYCLONE	99.90
RECLAIM CHIP HOPPER	11.20 T/H	PM	0.0025 LB/H	CYCLONE	99.90
FLAKE BUNKER	4.50 T/H	PM	0.2400 LB/H	BAGFILTER	99.95
FLAKE HOPPER	1.50 T/H	PM	0.4200 LB/H	BAGFILTER	99.95
STENTER CONVEYOR	2.50 T/H	PM			

(CONTINUED) ICI AMERICAS, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EDGE/SCRAP CONVEYOR	5.50 T/H				
		PM	0.0025 LB/H		
				BAGFILTER	99.95
SILT/SCRAP CONVEYOR	1.50 T/H				
		PM	0.0011 LB/H		
				BAGFILTER	99.95
SLITTER	1.00 T/H				
		PM	0.0028 LB/H		
DRYER	2.50 T/H				
		PM	0.0180 LB/H		
				BAGFILTER	99.95

NOTES ----------
MAKES PLASTIC FILM FROM CHIPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL 233.90 MMBTU/H

COMPANY NAME/SITE LOCATION LITHIUM CORP. BESSEMER CITY, NC
GASTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) NC-075
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/12/81
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	233.90 MMBTU/H				
		NOX	0.7000 LB/MMBTU	BOILER DESIGN	NSPS

NOTES ----------
PSD IS ONLY FOR NOX EMISSIONS.

INITIAL REVIEW POST STARTUP
(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION MALLINCKRODT, INC ST. LOUIS, MO

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY) DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/17/82
ESTIMATED DATE OF START-UP-- 1983
(816)-374-6525 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILER	115.10 MMBTU/H			
		SO2	2.0000 LB/MMBTU 30D R AV	
			2.8500 LB/MMBTU MAX/D,MED S	
		SO2	1.2000 LB/MMBTU MAX/D,LOW S	
			1.2000 LB/MMBTU FUEL OIL	
		SO2	0.0100 LB/MMBTU GAS	
		NOX	0.6000 LB/MMBTU	
			0.3000 LB/MMBTU FUEL OIL	
		NOX	0.2000 LB/MMBTU GAS	

NOTES ----------
STAND-BY FUELS OF NATURAL GAS & NO.6 FUEL OIL. COAL SAMPLING & FUEL ANALYSIS USED FOR COMPLIANCE TESTING FOR SO2.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL 60.00 MMBTU/H

COMPANY NAME/SITE LOCATION MALLINCKRODT, INC. RALEIGH, NC
WAKE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 5126
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-7015 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/19/83
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	60.00 MMBTU/H				
		SO2	1.5000 LB/MMBTU	LOW S COAL, 1%	
		NOX	0.7000 LB/MMBTU	GOOD OPERATING PRACT.	

NOTES ----------
THE BOILER WILL HAVE A BAG FILTER TO CONTROL PM EMISSIONS, PM IS NOT SUBJECT TO PSD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION MARATHON OIL CO. BYRON FIELD, WY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. CT-517
DETERMINATION MADE BY WYOMING AQD (AGENCY) DAN FAUTH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/21/83
ESTIMATED DATE OF START-UP-- 1984
(307)-332-3144 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE,AIR SPARGE,REACTOR,HYDR*		ACR*	0.0000 G/SEC, NOTE #1	PACKED TOWER H2O SCRUBBER	BACT 90.00
		ACR*	0.0000 G/SEC, NOTE #1	PACKED TOWER H2O SCRUBBER	BACT 75.00
		NH4	0.0010 G/SEC, NOTE #1	PACKED TOWER H2O SCRUBBER	BACT 90.00
STORAGE, HCL	966.00 CU METER/YR	HCL	22.0000 G/CU METER	LIMESTONE DRY SCRUBBER, NOTE #2	90.00

NOTES ----------
NOTE #1 -- AS MEASURED AT SCRUBBER OUTLET. NOTE #2 -- LIMESTONE TO BE CHANGED OUT ONCE EVERY FOUR MONTHS. ALSO, EFFICIENCIES A RE MINIMUM REDUCTION OF POLLUTANT AGREED TO BY MARATHON.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION MERCK & CO., KEKO DIVISION, P.O. BOX 13216, SAN DIEGO, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NSR-4-4-10 SD-81-01
DETERMINATION MADE BY EPA REGION IX (AGENCY), RICK SUGAREK (AGENCY CONTACT PERSON), (415)-974-8224 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/20/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, 3	7.16 MW EA			
		NOX	20.0000 LB/H PER TURBINE	BACT
			0.2400 LB/MMBTU	
			WATER INJECTION	70.00
DUCT BURNERS, 3	30.00 MMBTU EA			
		NOX	3.1000 LB/H PER BURNER	BACT
			0.1000 LB/MMBTU	
			LOW NOX DESIGN	75.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983, POST STARTUP 04/04/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL 6200.00 BTU/LB

COMPANY NAME/SITE LOCATION MEREDITH/BURDA, INC. NEWTON, NC CATAWBA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-064
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/08/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	3366.00 LB/H PAPER				
		PM	4.0000 LB/H		BACT
		SO2	NO. 6 OIL		
CHROME CYLINDER					
		ACI*	0.0010 LB/H		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 84.70 T/D

COMPANY NAME/SITE LOCATION MOLY CORP., INC. WASHINGTON, PA
WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA22
DETERMINATION MADE BY EPA REGION III (AGENCY) DAVID ARNOLD (AGENCY CONTACT PERSON) (215)-597-7936 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/21/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROASTER	84.70 T/D				
		PM	5.1000 LB/H		BACT
				BAGHOUSE	99.50
		SO2	75.0000 LB/H		BACT
				DBL-ABSORB ACID PLANT(SCRUB.)	98.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 150.00 MMBTU/H

COMPANY NAME/SITE LOCATION MONSANTO CO. MUSCATINE, IA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY) DANIEL RODRIGUEZ (AGENCY CONTACT PERSON) (816)-374-6525 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/12/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER B-8 SPREADER-STOKER	150.00 MMBTU/H				
		SO2	1.9500	LB/MMBTU 3H R AV PERCENT SULFUR CONTENT	BACT
		PM	0.0300	LB/MMBTU BAGHOUSE	BACT
		NOX	0.6000	LB/MMBTU 30D R AV NO AIR PREHEAT	BACT
		VE	20.0000	%, 6 MIN AVG.	BACT
ASH HANDLING					
		PM	0.0100	GR/DSCF BAGHOUSE	BACT
		VE	20.0000	% OPACITY	BACT
COAL HANDLING					
		PM	0.0100	GR/DSCF BAGHOUSE	BACT
		VE	20.0000	% OPACITY	BACT

NOTES ----------
BY-PASSING OF THE BOILER'S BAGHOUSE IS LIMITED TO 20 HOURS PER YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION MONSANTO CO. ALVIN, TX BRUZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-TX-307
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/26/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCIN., MHA SCRUBBER STACK	1.00 MMLB/YR	SO2	11.3500 LB/H	CAUSTIC STACK SCRUBBER	
FLARE STACK		SO2		SMOKELESS FLAME - NO VIS. EMIS	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL 1000.00 LB/H 2 EA

COMPANY NAME/SITE LOCATION M&T CHEMICALS, INC.
P.O. BOX 1580
CARROLTON, KY 41008
CARROLL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-KY-127
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/07/80
ESTIMATED DATE OF START-UP-- 1980
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR, TIN TETRACHLORIDE	1000.00 LB/H	PM	50.0000 T/YR	VENTURI SCRUBBER 2ND UNIT UP TO 1500 LB/H	NSR 99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

ID NUMBER KY-0065

SOURCE TYPE CODE 6.62

SOURCE TYPE/SIZE--- OTHER CHEMICAL 729.40 MMBTU/H

COMPANY NAME/SITE LOCATION PLAINS ELECT. GEN & TRANS , NM
SANDOVAL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-NM-418
DETERMINATION MADE BY EPA REGION VI (AGENCY) TOM DIGGS (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/29/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE GEN, NAT. GAS-FIRED	729.40 MMBTU/H				
		NOX	270.0000 LB/H		BACT
			0.3700 LB/MMBTU		
				H2O INJECT (WATER/FUEL = 0.5)	42.50
		SO2	2.9000 LB/H		BACT
			0.0040 LB/MMBTU		
				NONE	
TURBINE GEN, OIL AS STANDBY FUEL	722.30 MMBTU/H				
		NOX	280.0000 LB/H		NSPS
			0.3880 LB/MMBTU		
				H2O INJECT (WATER/FUEL = 0.5)	66.70
		SO2	156.0000 LB/H		BACT
			0.2160 LB/MMBTU		
				LOW SULFUR FUELS	

NOTES ----------
ALTERNATE EMISSION LIMITS FOR NATURAL GAS: NOX -- 270 LB/HR, SO2 -- 2.9 LB/HR. ALTERNATE EMISSION LIMITS FOR OIL: NOX -- 280 LB/HR, SO2 -- 156 LB/HR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 243.00 MMBTU/H

COMPANY NAME/SITE LOCATION PPG INDUSTRIES NATRIUM, WV
MARSHALL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79WV06
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/08/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	243.00 MMBTU/H	NOX	0.7000 LB/MBTU BURNER DESIGN--EXCESS O2< 4.5%	BACT

NOTES ----------
0.7 LB/MMBTU DETERMINERATION IS NOT AN EMISSION LIMITATION IN PSD PERMIT. BOILER #3 WAS STACK TESTED ON 5/13/82 WITH NO2 EMISSIONS OF 226 LB/H MEASURED, APPROX. = 0.93 LB/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION PROCTOR CHEMICAL CO. SALISBURY, NC ROWAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 5096
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-7015 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/02/83
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY PORCUPINE DRYER	4346.00 LB/H	VOC	98.0000 % CONTROL 303.0000 T/YR	SURFACE CONDENSER	98.00

NOTES ----------
THE NEW DRYER WILL DRY THE SOLID PORTIONS OF VARIOUS CHEMICAL PRODUCTS MANUFACTURED BY PROCTOR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE — MACON, GA
6TH STREET — BIBB COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. GA 008
DETERMINATION MADE BY GEORGIA EPD (AGENCY) — BILL MITCHELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/25/80
ESTIMATED DATE OF START-UP--
(404)-656-6900 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	87.50 MMBTU/H				
		SO2	1.0000 % S OIL		
FAT CONVERSION					
		VOC	37.0000 T/YR	FUME INCINERATOR	BACT 85.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION SHELL CHEMICAL CO.
P.O. BOX 2463 HOUSTON, LA 77001

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/07/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASBESTOS DUST COLLECTOR (1-78)					
		PM	4.5000 G/D	DUST FILTER	BACT 99.00
BPA-4 PROCESS PRILL TOWER					
		PM	0.4800 LB/H	BAG FILTER	BACT 99.30
BPA RESINS, STORAGE, & SHIP.					
		PM	2.2500 LB/H	BAG FILTER	BACT 99.40
PROCESS HEATERS, 3 EA	65.00 MMBTU/H				
		PM	0.0250 LB/MMBTU 1.6300 LB/H EA	AIR/FUEL CONT. BY F.G. O2 MON.	BACT
		SO2	0.8730 LB/MMBTU 56.7000 LB/H EA	0.7% S MAX. FUEL	BACT
		CO	0.0390 LB/MMBTU 2.5000 LB/H EA	AIR/FUEL CONT. BY F.G. MON.	BACT
		NOX	0.5400 LB/MMBTU 35.1000 LB/H EA	LOW EXCESS AIR BY F.G. O2 MON.	BACT

(CONTINUED) SHELL CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ORGANIC CHLORIDE INCIN.	10000.00 LB/H				
		NOX	27.8000 LB/H		BACT
				LOW EXCESS AIR BY F.G. O2 MON.	
		PM	0.0200 GR/DSCF		BACT
			2.0000 LB/H		
				F.G. O2 MON. FOR PROPER COMBU.	
		CO	3.2000 LB/H		BACT
				AIR/FUEL CONT. BY F.G. O2 MON.	
		SO2	0.0000 LB/MMBTU		
SLUDGE INCIN.	10.00 MMBTU/H				
		PM	0.0040 GR/DSCF		BACT
			0.0630 LB/H		
				VENTURI SCRUBBER	
				AIR/FUEL CONT. BY F.G. O2 MON.	
		SO2	0.8750 LB/MMBTU		BACT
			8.7500 LB/H		
				0.7% S FUEL OIL (MAX)	
		CO	0.8300 LB/H		BACT
				AIR/FUEL CONT. BY F.G. O2 MON.	
		NOX	8.2000 LB/H		BACT
				LOW EXCESS AIR BY F.G. O2 MON.	
BOILERS, 3 EA	594.00 MMBTU/H				
		NOX	0.7000 LB/MMBTU		BACT
			416.0000 LB/H		
				LOW EXCESS AIR BY F.G. O2 CON.	
		SO2	1.2000 LB/MMBTU		BACT
			713.0000 LB/H		
				LOW SULFUR COAL.	
		CO	0.0640 LB/MMBTU		BACT
			38.0000 LB/H		
				AIR/FUEL CON. BY F.G. MON.	
		PM	0.0890 LB/MMBTU		BACT
			53.0000 LB/H		
				E. S. P.	
				AIR/FUEL CON. BY F.G. O2 CON.	

(CONTINUED) SHELL CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2 TEMPORARY	198.50 MMBTU/H EA	PM	0.1000 LB/MMBTU 19.9000 LB/H EA	F.G. O2 CON. BY F.G. O2 MON.	BACT
		SO2	0.7500 LB/MMBTU 148.9000 LB/H EA	0.7% S FUEL (MAX.)	BACT
		NOX	0.3000 LB/MMBTU 59.6000 LB/H EA	LOW EXCESS AIR BY F.G. O2 MON.	BACT
		CO	0.0330 LB/MMBTU 6.5300 LB/H EA	AIR/FUEL CON. BY F.G. O2 MON.	BACT
BARGE BUCKET UNLOADER		PM	466.4000 LB/D	WATER SPRAY/FUGITIVE EMIS.	BACT
BARGE TO STORAGE CONVEYOR		PM	127.6000 LB/D	WATER SPRAY/FUGITIVE EMIS.	BACT
COAL PILE RECLAIM CONVEYOR		PM	3.6000 LB/D	WATER SPRAY/FUGITIVE EMIS.	BACT
COAL DUMPING AT BOILERS USING C*		PM	16.0000 LB/D	WATER SPRAY/FUGITIVE EMIS.	BACT
COAL PILE WIND EROSSION		PM	0.2300 T/YR	CRUSHING AGENT TO REDUCE DUST	BACT

NOTES ----------
SOURCE OPERATED CONTINUOUSLY. BPA-4 MEANS BIPHENOL ACETONE IN SOLID PHASE. ALLOWABLE EMISSIONS FROM EACH PROCESS HEATER DIVIDE D BETWEEN 2 STACKS. ORGANIC CHLORIDE INCINERATOR IS SAID NOT TO BE A SOURCE OF SO2. WHEN BOILERS FIRE OIL DUE TO SHORTA GE OF COAL, THEY COMPLY W/NSPS. A THIRD TEMP. BOILER (264 MMBTU/HR INPUT) FIRING SAME FUEL, HAS SAME BACT. ALLOWABLE EMISSIONS ARE: SO2, 0.25,198.5 \ NOX, 0.3,79.2 \ CO, 0.033,8.71 \ TSP, 0.1,26.4 -- UNITS ARE LB/MMBTU AND LB/HR, RES PECTIVELY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL 600.00 MET. T/YR

COMPANY NAME/SITE LOCATION SMITH KLINE CORP. UPPER MERION, PA

MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA15
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/25/80
ESTIMATED DATE OF START-UP-- 1981
(215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
2 BOILERS, EA	700.00 HP EA				
		SO2	0.2000 % BY WT #2 OIL 1.6800 MMGAL/YR OIL		BACT
2 INCINERATORS, EA					
		PM	2.0000 LB/H	VENTURI SCRUBBER	BACT 99.00
		SO2	3.0000 LB/H	VENTURI SCRUBBER NAOH INJ.	BACT 97.50
GRINDER					
		VE	20.0000 % OPACITY	BAGHOUSE	BACT 99.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO. KINGSPORT, TN 37662
P.O. BOX 511 SULLIVAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TN 065
DETERMINATION MADE BY TENNESSEE APCD (AGENCY) ANGIE PITCOCK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/05/81
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER-COAL FIRED	780.00 MMBTU/H				
		PM	14.0000 LB/H	FABRIC FILTER	BACT 99.76
		SO2	936.0000 LB/H	LOW S FUEL	BACT
COAL GASIFICATION-FUGITIVE					
		PM	0.0020 GR/SCF	ENCLOSED COAL TRANSFER PROC.	BACT

NOTES ----------
COAL GASIFICATIN FOR CHEMICAL INTERNDEIATES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO. KINGSPORT, TN SULLIVAN COUNTY

DETERMINATION IS B/L FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY TENNESSEE APCD (AGENCY) ANN NIELSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/02/81
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLARES	160.80 LB/H	VOC	0.0005 LB/H	INCINERATION	LAER 99.00
		CO	0.0013 LB/H	INCINERATION	BACT 99.00

NOTES ----------
EMISSION LIMITS ARE FOR NATURAL GAS FOR PILOT LIGHTS OF FLARES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION UNION CARBIDE
P.O. BOX 428
WOODBINE, GA 31569
CAMDEN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. GA 069
DETERMINATION MADE BY GEORGIA EPD (AGENCY) BILL MITCHELL (AGENCY CONTACT PERSON) (404)-656-6900 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/10/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER		SO2	418.0000 T/YR	1% S FUEL	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION UNIROYAL CHEMICAL, DIV. OF UNIROYAL INC. GEISMAR, LA
P.O.BOX 397 ASCENSION PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. LA-250
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/26/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCIN., WASTE	25.00 MMBTU/H				
		NOX	4588.8000 LB/D		BACT
				CAUSTIC SCRUB.	20.00
				LOW NOX BURNERS, LEA FIRING	
		SO2	23.4000 LB/3H		BACT
				CAUSTIC SCRUB	95.00
		PM	28.8000 LB/D		BACT
				CAUSTIC SCRUB	98.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER CHEMICAL 45.00 MW

COMPANY NAME/SITE LOCATION U.S. BORAX & CHEMICAL CORP. LOS ANGLES, CA 90010
3075 WILSHIRE BLVD

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SE-82-02
DETERMINATION MADE BY EPA REGION IX (AGENCY) JOE SLAMOVICH (AGENCY CONTACT PERSON) (415)-974-8235 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS TURBINE	3855.00 GAL/H				
		CO	72.0000 LB/H		BACT
		NOX	230.0000 LB/H		BACT
				WATER INJECTION	70.00
		SO2	219.0000 LB/H		
				BURN LOW S FUEL/NAT. GAS	
		PM	18.0000 LB/H		BACT
				COMBUSTION CONTROLS	
		VOC	0.5000 LB/H		BACT
				COMBUSTION CONTROLS	
		PB	0.0140 LB/H		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION VELSICOL CHEMICAL CO. CHATTANOOGA, TN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 30-35C
DETERMINATION MADE BY CHATTANOOGA APCB (AGENCY) JAMES FRENCH (AGENCY CONTACT PERSON) (615)-867-4321 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/08/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ACID PLANT	4155.00 LB/H	VOC			BACT
EXPANSION PLANT	4588.00 LB/H	BEN*	1.8000 LB/H	WET SCRUB & CARBON ADSORPTION	BACT 98.00
BENZOTRICHLORIDE SYNTHESIS	5000.00 LB/H	BEN*	0.4500 LB/H	WET SCRUB & CARBON ADSORPTION	BACT 99.00
BENZYL CHLORIDE SYNTHESIS	5000.00 LB/H	BEN*	0.4500 LB/H	WET SCRUB & CARBON ADSORPTION	BACT 80.00
		VOC	6.8500 LB/H	WET SCRUB & CARBON ADSORPTION	BACT 80.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

SOURCE TYPE/SIZE--- OTHER CHEMICAL

COMPANY NAME/SITE LOCATION 3M CO., CHEMOLITE ST. PAUL, MN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 23A-81-I-49
DETERMINATION MADE BY MINNESOTA PCA (AGENCY) JERRY LIEFERT (AGENCY CONTACT PERSON) (612)-296-7272 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/08/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ABRASIVE MINERAL PROCESS	325.00 T/YR				
		NOX	88.0000 T/YR MAX		BACT
				SCRUBBER	95.00

NOTES ----------
CONVENTIONAL UNITS AVAILABLE CONVERT ONLY ONE-THIRD OF THE NITROGEN DIOXIDE TO NO. CONTROL EFFICIENCIES ARE <LESS THAN 67% OF THE TOTAL OXIDES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION ALLEN PRODUCTS CO., INC. SOUTH WHITEHALL TOWNSHIP, PA LEHIGH COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79PA13
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON) (215)-597-8186 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/04/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GRAIN UNLOAD STATION	4.70 MCF/H	PM	1.0000 LB/H	BAGHOUSE	BACT 99.90
GRINDING & BLENDING STATION	35.00 MLB/H	PM	0.5000 LB/H	BAGHOUSE	BACT 99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 2.00 MMBU/YR

COMPANY NAME/SITE LOCATION BROOKPORT BARGE POINT,INC
P.O. BOX 147
BROOKPORT, IL 62910
MASSAC COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. C8008003
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRIS ROMAINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/03/81
ESTIMATED DATE OF START-UP-- 1981
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECEIVING	2.00 MMBU/YR	PM	35.0000 LB/H	ASPIRATION TO BAGHOUSE ENCLOSURE	SIP 90.00
HANDLING	2.00 MMBU/YR	PM	5.2500 LB/H		SIP
LOAD-OUT	2.00 MMBU/YR	PM	10.5000 LB/H	ASPIRATION TO BAGHOUSE DEADBOX ON TIP OF SPOUT	SIP 90.00
CLEANING		PM	2.1000 LB/H		SIP
DRYING		PM	0.8400 LB/H	BUILT IN SCREENS	SIP 90.00

NOTES ----------
NON-MAJOR PROJECT DEEMED CONTROVERSIAL DUE TO PUBLIC INTEREST. PUBLIC HEARING HELD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 30.00 MMBU/YR

COMPANY NAME/SITE LOCATION BUNGE CORP. SAVAGE, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 393A-81-I-6
DETERMINATION MADE BY MINNESOTA PCA (AGENCY) GEORGE VASILAKES (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/08/82
ESTIMATED DATE OF START-UP-- 1982
(612)-296-7267 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BARGE LOADOUT CONVEYOR/LOADOUT	30.00 MMBU/YR	PM	31.0000 T/YR	BAGHOUSE DUST SUPPRESSOR	BACT 99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION CARGILL, INC.
3201 NEEDMORE RD. DAYTON, OH 45415
MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 08-124
DETERMINATION MADE BY RAPCA - DAYTON,OH (AGENCY) AMY WRIGHT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/19/78
ESTIMATED DATE OF START-UP-- 1981
(513)-225-4435 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL BOILER	567.00 MMBTU/H				
		PM	0.0250 LB/MMBTU	BAGHOUSE	BACT 99.00
		SO2	1.2000 LB/MMBTU	LOW SULFUR COAL	BACT
		NOX	0.4900 LB/MMBTU		

NOTES ----------
SINGLE SOURCE (CRSTER) DISPERSION MODEL USING HOURLY MET. DATA TO ESTIMATE POLLUTANTS' IMPACTS. (ONE YEAR MET. DATA.)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION CARGILL, INC. SEATTLE, WA 98119
PIER 86

DETERMINATION IS BACT
PERMIT NO. N/C 2227
DETERMINATION MADE BY PUGET SOUND APCA (AGENCY) HARRY WATTERS (AGENCY CONTACT PERSON) (206)-344-7334 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/20/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATERIAL HANDLING, LOADOUT SPOU*	3000.00 T/H	PM	LAMINAR FLOW / DUST SUPPRESSOR	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 143.70 MMBTU/H

COMPANY NAME/SITE LOCATION CENTRAL SOYA CO., INC. CHATTANOOGA, TN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0460-10200202-15I
DETERMINATION MADE BY CHATTANOOGA-HAMILTON CO. APCB (AGENCY) HARVEY RICE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/26/83
ESTIMATED DATE OF START-UP-- 1985
(615)-867-4321 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, FBC, COAL FIRED	143.10 MMBTU/H				
		PM	0.0350 LB/MMBTU	FABRIC FILTER	LAER 99.83
		SO2	0.4410 LB/MMBTU	FLUIDIZED BED	BACT 90.70
		NOX	0.6000 LB/MMBTU	FLUIDIZED BED	BACT 20.00
		CO	0.1680 LB/MMBTU		BACT
		VOC	6.3000 LB/H		BACT
		BE	0.0000 LB/H	FABRIC FILTER	BACT 100.00
		PB	0.0000 LB/H	FABRIC FILTER	BACT 100.00
		F	0.0017 LB/H	FABRIC FILTER	BACT 99.95
		HG	0.0027 LB/H		BACT
ASH HANDLING, COAL LIMESTONE	150000.00 LB/H				
		PM	0.0100 GR/DSCF	FABRIC FILTER	LAER 99.90

NOTES ----------
ALL DETERMINATIONS WERE BACT DUE TO PSD REQUIREMENTS EXCEPT PM WHICH WAS EVALUATED FROM THE PERSPECTIVE OF A POTENTIAL SIGNIFI

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/26/1984

CANT IMPACT ON A NON- ATTAINMENT AREA.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/26/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 2.10 MMT/YR

COMPANY NAME/SITE LOCATION INTERSTATE GRAIN CORP. , TX
NUECES COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 9228
DETERMINATION MADE BY TEXAS ACB (AGENCY) GARY WALLIN (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/27/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELEVATOR, GRAIN		PM	162.1000 T/YR	BAGHOUSE & CYCLONES	BACT 99.00

NOTES ----------
SIC = 5153. PERMIT IS FOR REPLACEMENT OF 4 ELEVATOR LEGS WITH 4 HIGHER CAPICITY LEGS. NEW CONTROL EQUIPMENT RESULTED IN AN OVE RALL EMISSIONS REDUCTION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 250.00 T/WEEK

COMPANY NAME/SITE LOCATION MAXIM FARMS , TX
WHARTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9245
DETERMINATION MADE BY TEXAS ACB (AGENCY) GARY WALLIN (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/12/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECEIVING,GRINDING,HANDLING,MIX*	250.00 T/WEEK	PM	2.3000 T/YR	ENCLOSED OPER.,REC.,CONV.,MIX.,GRIND.,LDOT	

NOTES ----------
ENCLOSED ELEVATOR LEG, AUGERS AND GRAVITY SPOUTS ARE USED.PLUS RECEIVING PIT AND LOADOUT LOCATED UNDER ELEVATED STORAGE BINS A RE ENCLOSED. RURAL, ISOLATED LOCATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FEED/GRAIN MILLS AND ELEVATORS 15000.00 BU/H

COMPANY NAME/SITE LOCATION MONTE CHRISTO GRAIN CO. , TX
HIDALGO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9222
DETERMINATION MADE BY TEXAS ACB (AGENCY) RALPH BOWLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/07/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECEIVING PIT, 2 EA	7500.00 BUSHEL/H	PM	0.1890 LB/T	ENCLOSED LEGS/AUGERS/UP&DWN SPOUTS - TRANSF GR*	
HANDLING	7500.00 BUSHEL/H, 2*	PM		NONE	
LANDOUT SPOUTS	7500.00 BUSHEL/H, 2*	PM	0.0900 LB/T		

NOTES ----------
SIC CODE 5153

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES

COMPANY NAME/SITE LOCATION ANHEUSER-BUSCH, INC. VAN NUYS, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) LA-78-18
DETERMINATION MADE BY EPA REGION IX (AGENCY) JIM HANSON (AGENCY CONTACT PERSON) (415)-974-8038 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/01/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM BOILERS, 2 EA	125000.00 LB/H				
		SO2	0.2100	% S FUEL OIL	BACT
				SULFUR IN FUEL	
		NOX	0.2700	LB/MMBTU	LAER
			0.4700	LB/MMBTU	
				LOW NOX BURNERS	
				DERATING OVERSIZED BOILERS & TWO STAGE COMBUST*	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	04/04/1984

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES 10.00 MMBBL/YR

COMPANY NAME/SITE LOCATION ANHEUSER-BUSCH, INC. ST. LOUIS, TX 63118
721 PESTALOZZI ST. HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-246 DATE OF PERMIT ISSUANCE--
DETERMINATION MADE BY EPA REGION VI RAGAN BROYLES ESTIMATED DATE OF START-UP--
(AGENCY) (AGENCY CONTACT PERSON) (214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL BOILERS, 3	178.00 MMBTU/H EA				
		CO	11.2000 LB/H EA		BACT
			0.0630 LB/MMBTU		
				NONE REQUIRED	
		NOX	125.0000 LB/H EA		BACT
			0.7000 LB/MMBTU		
				COMBUSTION CONTROL	
OIL BOILERS, 3	77.00 MMBTU/H EA				
		CO	2.7000 LB/H EA		BACT
			0.0350 LB/MMBTU		
				NONE REQUIRED	
		NOX	32.1000 LB/H EA		BACT
			0.4200 LB/MMBTU		
				COMBUSTION CONTROL	

NOTES ----------
ONLY ONE OIL FIRED BOILER MAY BE OPPERATED WHEN ALL THREE COAL FIRED BOILERS ARE IN OPPERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES 98.00 MMBTU/H

COMPANY NAME/SITE LOCATION ANHEUSER-BUSCH, INC. WILLIAMSBURG, VA
JAMES CITY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79VA15
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/16/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	98.00 MMBTU/H	SO2	1.0700 LB/MMBTU	1% SULFUR IN OIL.	BACT
		PM		TSP NOT SIGNIFICANT	

NOTES ----------
INSTALLATION OF A BACKUP BOILER. NO ADVERSE AIR QUALITY IMPACT -- NET IMPROVEMENT DUE TO NEW UNIT. EXISTING UNITS USE 2.5% S. OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES 221.00 MMBTU 3 EA

COMPANY NAME/SITE LOCATION COORS CO. ELKTON, VA
ROCKINGHAM COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 80VA01
DETERMINATION MADE BY EPA REGION III (AGENCY) EILEEN GLEN (AGENCY CONTACT PERSON) (215)-597-8187 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/19/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 3	221.00 MMBTU EA				
		PM	0.0500 LB/MMBTU		BACT
				BAGHOUSE &FGD	99.00
		SO2	0.2400 LB/MMBTU		
				BAGHOUSE &FGD	99.00
		NOX	0.6000 LB/MMBTU		BACT
		CO	0.4000 LB/MMBTU		BACT
		VOC	0.0200 LB/MMBTU		BACT
		VE	5.0000 % OPACITY		BACT
COAL RECEIVIN					
		PM	2.8600 LB/H		BACT
			5.0000 % OPACITY		
				FABRIC FILTER COLLECTOR	99.90
COAL BUNKERS					
		PM	1.2900 LB/H		BACT
			5.0000 % OPACITY		
				FABRIC FILTER COLLECTOR	99.95
SCREENING & MILLING SYS, BARLEY*					
		PM	0.6500 LB/H		BACT
			5.0000 % OPACITY		
				FABRIC FILTER COLLECTOR	99.50

(CONTINUED) COORS CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RICE STOR., SCREEN AND MILLING					
		PM	2.5900 LB/H 5.0000 % OPACITY		BACT
SPENT GRAIN DRYER				FABRIC FILTER COLLECTOR	99.50
		PM	0.1100 LB/H 5.0000 % OPACITY		BACT
DRY SPENT GRAIN STOR. AND HAND.*				WET SCRUBBING SYSTEM	90.00
		PM	1.6400 LB/H 5.0000 % OPACITY		BACT
PELLET BULK STORAGE				FABRIC FILTER COLLECTOR	99.95
		PM	0.7300 LB/H 5.0000 % OPACITY		BACT
FILTER MEDIA DRYER				FABRIC FILTER COLLECTOR	99.95
		PM	0.1400 LB/H 5.0000 % OPACITY		BACT
HANDLING SYS, DIATOMACEOUS EARTH				WET SCRUBBING SYSTEM	99.50
		PM	0.6500 LB/H 5.0000 % OPACITY		
LIME STOR. & HANDLING SYS.				FABRIC FILTER COLLECTOR	99.90
		PM	0.6500 LB/H 5.0000 % OPACITY		BACT
COATING OVEN, CAN PLANT				FABRIC FILTER COLLECTOR	90.00
		VOC	11.0000 LB/H		BACT
				CATALYTIC INCINERATOR	90.00

(CONTINUED) COORS CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING OVEN, CAN PLANT				
		VOC	5.0000 LB/H	BACT
STORAGE PILE, COAL ACTIVE				
		PM	0.4600 LB/H	BACT
			5.0000 % OPACITY	
			WET SUPPRESSION SYSTEM	
COAL DEAD STORAGE PILES				
		PM	0.2300 LB/H	BACT
			5.0000 % OPACITY	
			CHEMICAL WETTING AGENTS	
STORAGE, COAL RECLAIM HOPPER AC*				
		PM	2.8600 LB/H	BACT
			5.0000 % OPACITY	
			FABRIC FILTER COLLECTOR	99.95
COAL RECLAIM FROM DEAD STORAGE				
		PM	0.4600 LB/H	BACT
COAL CAR THAWING HEATER				
		PM	0.1800 LB/H	BACT
		SO2	3.0000 LB/H	BACT
			.3% LOW SULFUR FUEL	
		VOC	1.0000 LB/H	BACT
		NOX	2.0000 LB/H	BACT
		CO	1.0000 LB/H	BACT
ASH SILO HANDLING SYS				
		PM	0.3200 LB/H	BACT
			5.0000 % OPACITY	
			FABRIC FILTER COLLECTOR	99.95
PNEUMATIC SYS,STARCH UNLOAD				
		PM	1.2900 LB/H	BACT
			5.0000 % OPACITY	
			CYCLONE SEPARATOR + BAGHOUSE	99.90

(CONTINUED) COORS CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE SYS, STARCH BREWHOUSE					
		PM	1.2900 LB/H		BACT
			5.0000 % OPACITY		
				CYCLONE SEPERATOR & BAGHOUSE	99.90
DISTIL. SYS, STARCH BREWHOUSE					
		PM	0.6500 LB/H		BACT
			5.0000 % OPACITY		
				FABRIC FILTER COLLECTOR	99.90
REC. SYS, BARLEY, MALT, & RICE					
		PM	0.6500 LB/H		BACT
			5.0000 % OPACITY		
				FABRIC FILTER COLLECTOR	99.95

NOTES ----------
LIMITS NEEDED TO PROTECT CLASS I INCREMENTS & INTREGAL VISTAS. SOURCE < 1 MILE FROM THE CLASS I AREA.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES

COMPANY NAME/SITE LOCATION PAUL MASSON VINEYARDS SARATOGA, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 27796
DETERMINATION MADE BY BAY AREA AQMD (AGENCY) DOUG WOLF (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/27/81
ESTIMATED DATE OF START-UP-- 1982
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C. RECIPROCATING	526.00 HP				
		NOX	30.0000 PPM	CATALYTIC CONVERTER	BACT 90.00

NOTES ----------
BURNING NATURAL GAS ONLY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

SOURCE TYPE/SIZE--- FERMENTATION AND ALCOHOLIC BEVERAGES 250000.00 BU/YR

COMPANY NAME/SITE LOCATION SCHREIER MALTING CO SHEYHOYGAN, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-60-016
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) EMILIA ESTRADA (AGENCY CONTACT PERSON) (608)-266-0244 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/21/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN		PM	11.1100 LB/H		
CONVEY & HANDLE		PM	11.1100 LB/H	3 EXISTING BAGHOUSES & FILTERS SETUP TANKS/PROD SPOUT/DUST STO	99.90

NOTES ----------
PRODUCTION NOT TO EXCEED 250000 BUSHEL MALT/YEAR, NATURAL GAS ONLY TO FREE RUN, NOT SUBJECT TO PSD

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 1429.00 T/D P205

COMPANY NAME/SITE LOCATION AGRICO CHEMICAL CO.
P.O. BOX 1969
BARTOW, FL 33830
POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL-0016
DETERMINATION MADE BY FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/20/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PHOSPHORIC ACID PROD. LINE	1429.00 T/D P205	F	0.0200 LB/T P205	SCRUBBER	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION AGRICO CHEMICAL CO.
P.O. BOX 1969
BARTOW, FL 33830
POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-061
DETERMINATION MADE BY FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/21/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DIAMMONIUM PHOSPHATE	75000.00 T/YR				
		PM	4.3000 LB/H		BACT
				SCRUBBER	96.00
		F	0.5000 LB/H		NSPS
				SCRUBBER	99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION CALIF. AMMONIA (CALAMCO) LANTHROP, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SJ80-07
DETERMINATION MADE BY EPA REGION IX (AGENCY) DON HARVEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/08/81
ESTIMATED DATE OF START-UP--
(415)-974-8223 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
NITRIC ACID PLANT	250.00 T/D	NOX	210.0000 PPM	BACT
			3.0000 LB/T 100% HNO3	
			EXTENDED ABSORPTION COLUMN	94.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

SOURCE TYPE CODE 7.6

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION CONSERV, INC.
P.O. BOX 314
NICHOLS, FL 33863
POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL-076
DETERMINATION MADE BY FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/02/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFURIC ACID PLANT	2000.00 T/D	SO2	333.4000 LB/H	DOUBLE ADSORPTION	NSPS 98.00
		ACI*	12.5000 LB/H	ACID MIST ELIMINATION	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 1750.00 T/D H2SO4

COMPANY NAME/SITE LOCATION GARDINIER, INC. TAMPA, FL 33601
U.S. 41 AND RIVERVIEW DR. HILLSBOROUGH COUNTY

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-026
DETERMINATION MADE BY FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/11/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFURIC ACID PLANT #7	145833.00 LB/H				
		ACI*	10.9000 LB/H	DOUBLE ADSORPTION	NSPS 70.00
		SO2	291.7000 LB/H		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

SOURCE TYPE/SIZE--- FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION NEW WALES CHEMICALS, INC.
P.O. BOX 1035
MULBERRY, FL 33860
POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL-072
DETERMINATION MADE BY FLORIDA DER (AGENCY)
WILLARD HANKS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/01/81
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFURIC ACID PLANT	2750.00 T/D H2SO4	SO2	458.3000 LB/H	DOUBLE ADSORPTION	NSPS 70.00
		ACI*	17.2000 LB/H		NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 420.00 T/D

COMPANY NAME/SITE LOCATION OCCIDENTAL CHEMICAL CO. WHITE SPRINGS, FL 32096
SR 137 N. WHITE SPRINGS HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-067
DETERMINATION MADE BY FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/29/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DEFLUORINIZATION UNIT	420.00 T/D			
		F	0.0400 LB/T	BACT
			0.7000 LB/H	
			WET SCRUBBER	95.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 484000.00 T/YR PHOSPHORIC FERT

COMPANY NAME/SITE LOCATION USS AGRI-CHEMICALS
P. O. BOX 150
BARTON (FT. MEADE COMPLEX), FL 38830
POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-064
DETERMINATION MADE BY FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/01/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFURIC ACID PROD.	*55000.00 T/YR				
		SO2	40.0000 LB/T 100% H2SO4	DOUBLE ADSORPTION	NSPS 70.00
PHOSPHORIC ACID PROD.	484000.00 T/YR				
		F	0.0200 LB/T P2O5	SCRUBBERS	NSPS 95.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FERTILIZER PLANTS 115.00 T/H

COMPANY NAME/SITE LOCATION W R GRACE & CO
P.O. BOX 310
BARTOW, FL 33601
POLK COUNTY

DETERMINATION IS NSPS FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-068
DETERMINATION MADE BY FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/01/81
ESTIMATED DATE OF START-UP-- 1984
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DIAMMONIUM PHOSPHATE PLANT	115.00 T/H				
DRYER		F	0.0600 LB/T P205 FEED	TWO PACKED SCRUBBERS	NSPS 95.00
		SO2	39.0000 LB/H	LOW SULFUR AND OIL	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE--- STARCH MANUFACTURING 10.50 T/H

COMPANY NAME/SITE LOCATION BROCK CANDY CO. CHATTANOOGA, TN
HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 0300-30201899-08I
DETERMINATION MADE BY CHATTANOOGA-HAMILTON CO. APCB (AGENCY) HARVEY RICE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/15/83
ESTIMATED DATE OF START-UP-- 1984
(615)-867-4321 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MOGUL, STARCH	21000.00 LB/H	PM	0.0100 GR/DSCF	FABRIC FILTER	99.90
ORIER-COOLER, STARCH	21000.00 LB/H	PM	0.3500 LB/H	FABRIC FILTER	BACT 99.90

NOTES ----------
THE 0.35 LB/H LIMITATION IS THE TOTAL ALLOWED FROM BOTH UNITS COMBINED. SIC CODE IS 2071.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/26/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- STARCH MANUFACTURING

COMPANY NAME/SITE LOCATION CORN PRODUCTS
6400 ARCHER RD
BEDFORD PARK, IL 60501
COOK COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 81040028-81040039
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRIS ROMAINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/23/81
ESTIMATED DATE OF START-UP-- 1982
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
NEW FEED DRYER		PM	8.4000 LB/H	CYCLONES, HIGH EFF.	LAER
SUGAR LOADING STATION		PM	0.3900 LB/H	BAGHOUSE	LAER
STEEP VENTS		PM	0.6000 LB/H	WET SCRUBBER	LAER
GERM CAKE TRANSPORT		PM	1.6000 LB/H	CYCLONES	LAER
FEED TRANSPORT		PM	2.0000 LB/H	CYCLONES	LAER
GERM DRYER TRANSPORT		PM	2.3000 LB/H	MULTICLONES	LAER

(CONTINUED) CORN PRODUCTS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DUST BIN PICKUPS					
		PM	1.2000 LB/H	SCRUBBER	LAER
GERM FLAKE TRANSPORT					
		PM	4.5900 LB/H	CYCLONE (2 STAGE) & SCRUBBER	LAER
GLUTEN DRYER					
		PM	2.1000 LB/H	CYCLONES, HIGH EFF.	LAER
DUST PICKUP-ELEVATOR & CONV.					
		PM	1.5000 LB/H	CYCLONES, HIGH EFF.	LAER
PELLET DUST COLLECTION SYS.					
		PM	1.1300 LB/H	CYCLONES, 2 STAGE	LAER
GLUTEN DRYER					
		PM	1.1400 LB/H	CYCLONES, HIGH EFF.	LAER

NOTES ----------
LAER EMISSION LIMITS STATED FOR MAXIMUM EQUIPMENT THROUGHPUT. EMISSION RATES TO BE ADJUSTED PROPORTIONATELY FOR OPERATIONAL TH
ROUGHPUT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW 04/01/1983	POST STARTUP 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SUGAR CANE PROCESSING 195.00 MMBTU/H

COMPANY NAME/SITE LOCATION ATLANTIC SUGAR ASSOC. PALM BEACH, FL 33430
P.O. DRAWER B PALM BEACH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-FL-078
DETERMINATION MADE BY FLORIDA DER (AGENCY) BOB KING (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/06/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BAGASSE	54681.00 LB/H BAGASSE				
		PM	0.1500 LB/MMBTU INPUT		BACT
				JOY TURBULAIRE MODIFIED	92.00
BOILER, NO. 6 OIL	3.13 BBL/H #6 OIL				
		SO2	1.0000 % S OIL		BACT
				FUEL ANALYSIS	
		VOC			
				LAER DETERMINATION	
		VE	30.0000 % OPACITY		
				SEE NOTE	
BOILER, BAGASSE	54681.00 LB/H BAGASSE				
		PM	0.1500 LB/MMBTU INPUT		BACT
				IMPINGER-SCRUB SIZE 90 TYPE D	
		VOC	2.0000 LB/T BAGASSE FIRED		SCC

NOTES ----------
THE BOILER IS A FOSSIL FUEL FIRED UNIT MODIFIED TO BURN BAGASSE. OIL IS TO BE USED ONLY AS A SUPPLEMENTARY FUEL. OPERATION IS SEASONAL.
VE LIMIT MAX. 30% OPACITY EXCEPT THAT 40% OPACITY IS PERMISSIBLE FOR NOT MORETHAN 2 MINUTES IN ANY ONE HOUR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	01/25/1984

SOURCE TYPE/SIZE--- SUGAR CANE PROCESSING 288.00 MMBTU/H

COMPANY NAME/SITE LOCATION OSCEOLA FARMS CO.
EAST OF PAHOKEE US-98
PAHOKEE, FL 33476
PALM BEACH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. FL-0012
DETERMINATION MADE BY FLORIDA DER (AGENCY) BOB KING (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/28/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BAGASSE	80000.00 LB/H BAGASSE	PM	0.1500 LB/MMBTU INPUT	WET SCRUBBER JOY TYPE D TURBULAIRE	BACT 93.90
BOILER, NO. 6 OIL	1.10 BBL/H #6 OIL	PM	0.1000 LB/MMBTU INPUT	SCRUBBER	BACT 93.90
		SO2	1.0000 % MAX S OIL		BACT
		VOC	2.0000 LB/T	LAER DETERMINATION - SEE NOTE	SCC
		VE	30.0000 % OPACITY	SEE NOTE	BACT

NOTES ----------
LAER SAME AS DETERMINED FOR ATLANTIC SUGAR ASSOCIATION. OPERATION IS SEASONAL NOVEMBER THROUGH MARCH. NO.6 OIL IS USED AS A SU
PPLEMENTARY FUEL.
VE LIMITS MAX. 30% OPACITY EXCEPT THAT 40% OPACITY IS PERMISSIBLE FOR NOT MORE THAN 2 MINUTES IN ANY ONE HOUR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SUGAR CANE PROCESSING 240000.00 LB/H

COMPANY NAME/SITE LOCATION SUGAR CANE GROWERS COOP. BELLE GLADE, FL 33430
P.O. BOX 666 PALM BEACH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-FL-077
DETERMINATION MADE BY FLORIDA DER (AGENCY) BOB KING (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/07/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BAGASSE/RESIDUE, #6 COM*	264000.00 LB/H				
		PM	0.1500 LB/MMBTU		BACT
			75.6000 LB/H		
				WET SCRUBBER	90.00
		SO2	14.0000 T/D		BACT
				LOW S OIL	
		CO	140.0000 LB/H		BACT
			326.0000 T/YR		
				EQUIPMENT DESIGN & OPERATION	
		VOC	140.0000 LB/H		BACT
			325.0000 T/YR		
				EQUIPMENT DESIGN & OPERATION	
		NOX	123.0000 LB/H		BACT
			209.0000 T/YR		
				EQUIPMENT DESIGN & OPERATION	
BOILER, BAGASSE/RESIDUE, #8 COM*	240000.00 LB/H STEAM				
		PM	0.1000 LB/MMBTU		BACT
				SCRUBBER	90.00
		SO2	1.0000 % S OIL		BACT
				FUEL FLOW	
				OIL CONSUM. NOT OVER 42 BBL/H	
		VOC		SEE NOTE	LAER

VE	30.0000 % OPACITY COMBUSTION SEE NOTE		BACT

NOTES ----------
(1) RESIDUE IS A BYPRODUCT OF THE FURFURAL PROCESS. (2) LAER SAME AS DETERMINED FOR ATLANTA SUGAR ASSOCIATION. #6 OIL IS USED AS A SUPPLEMENTARY FUEL. OPERATION IS SEASONAL.
VE LIMIT MAX. 30% OPACITY EXCEPT THAT 40% OPACITY IS PERMISSIBLE FOR NOT MORE THAN 2 MIN. IN ANY ONE HOUR. VOC LIMIT AND EFFIC IENCY TO BE DETERMINED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE=== FATS/VEGETABLE OILS

COMPANY NAME/SITE LOCATION A.E. STALEY CHAMPAIGN, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 83 05 0091
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/14/83
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	130.00 MMBTU/H				
		PM	0.0600 LB/MMBTU	FABRIC FILTER	BACT 99.00
		SO2	1.2000 LB/MMBTU	COAL SUPPLY	BACT
		NOX	0.6000 LB/MMBTU	EQUIPMENT DESIGN & CO MONITOR	BACT
COAL & ASH HANDLING, STORAGE					
		PM	0.0300 GR/DSCF	FABRIC FILTER	BACT 99.00

NOTES ----------
ALSO PERMIT 019 827 AAA

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- FATS/VEGETABLE OILS 95.00 MMBTU/H

COMPANY NAME/SITE LOCATION GOLD KIST INC., GOLD KIST SOY PLANT VALDOSTA, GA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2075-092-8088-C
DETERMINATION MADE BY GEORGIA EPD (AGENCY) SUE MCFATHER (AGENCY CONTACT PERSON) (404)-656-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/09/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WELLON TYPE A BOILER	95.00 MMBTU/H	PM	0.1000 LB/MMBTU	2 STAGE MECHANICAL COLL./FAB. FILTER	NSPS 98.00
		NOX	0.7000 LB/MMBTU	BURNER & FURNACE DESIGN/GOOD OPER.	NSPS
		VOC		EFF. BOILER DESIGN & GOOD OPER.	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- FATS/VEGETABLE OILS 360000.00 T SOYBEAN PROC.

COMPANY NAME/SITE LOCATION OWENSBORO GRAIN CO.
923 EAST 2ND ST. OWENSBORO, KY 42301
DAVIESE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-81-70
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/24/81
ESTIMATED DATE OF START-UP-- 1982
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, & FUEL HAND*	130.50 MMBTU/H				
		SO2	1.6000 LB/MMBTU	1% S COAL	
		NOX	0.7000 LB/MMBTU	COMBUSTION CONTROL	
SOLVENT EXTRACTION SYSTEM	360000.00 T/YR				
		VOC	2.9000 LB HEXANE/T SOYBEAN		
			517.2000 T/YR		
				MINERAL OIL SCRUBBER	98.00
SOYBEAN PREP.	360000.00 T/YR				
		PM		NOT APPLICABLE	

NOTES ----------
NON-ATTAINMENT AREA FOR PM - REVIEW NOT APPLICABLE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

SOURCE TYPE/SIZE--- FATS/VEGETABLE OILS

COMPANY NAME/SITE LOCATION QUINCY SOYBEAN QUINCY, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 81 05 0033
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/18/83
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2	125.00 MMBTU/H				
		PM	0.0750	LB/MMBTU FABRIC FILTER	SIP 99.00
		SO2	1.8000	LB/MMBTU COAL SUPPLY	BACT
		NOX	0.7000	LB/MMBTU EQUIPMENT DESIGN	BACT
		CO	200.0000	PPM MAX CONTINOUS O2 MONITORS	BACT
COAL & ASH HANDLING, STORAGE					
		PM	0.0300	GR/DSCF FABRIC FILTER	SIP 99.00
FUGITIVE EMISSIONS					
		PM		 ROUTINE CONTROL MEASURES	SIP

NOTES ----------
NOTE - ALSO PERMIT NUMBER 001 815 AAF. PROJECT WAS NOT A MAJOR MODIFICATION FOR PM. PERMIT CONDITIONS APPLIED TO PM EMISSIONS TO LIMIT EMISSIONS TO BELOW SIP LEVELS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

SOURCE TYPE/SIZE--- FRUITS/VEGETABLES PROCESSING

COMPANY NAME/SITE LOCATION A.E. STALEY MFG. CO. DES MOINES, IA POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY) CHARLES WHITMORE (AGENCY CONTACT PERSON) (816)-374-6525 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/30/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 2 UNITS	150.00 MMBTU/H EA				
		SO2	1.6000 LB/MMBTU MAX		BACT
			1.2000 LB/MMBTU 30D AV		
				LOW SULFUR COAL	
		NOX	0.6000 LB/MMBTU		BACT
				SPREADER STOKER, DESIGN TECH.	

NOTES ----------
COAL FIRED BOILER TO REPLACE EXISTING OIL FIRED BOILERS. ONE OIL-FIRED BOILER TO REMAIN AND BE USED ONLY AS A STAND-BY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FRUITS/VEGETABLES PROCESSING

COMPANY NAME/SITE LOCATION SNACK FOODS PLANT , CA
KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SEE NOTE
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY) THOMAS PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/01/83
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	72.00 MMBTU/H				
		PM	1.0000 LB/H		
		SO2	18.2000 LB/H		
		NOX	100.0000 PPM AT .3% O2		
			0.9400 LB/H		
BOILER	72.00 MMBTU/H				
		PM	1.0000 LB/H		
		SO2	18.2000 LB/H		
		NOX	100.0000 PPM AT .3% O2		
			0.9400 LB/H		
POTATO CHIP FRYING	31087.00 LB/D				
		PM	2.9000 LB/H		
				WET SCRUBBER	96.50
CORN CHIP	3155.50 LB/D				
		PM	0.5000 LB/H		
TORTILLA CHIP LINE #1	4517.80 LB/H				
		PM	0.7000 LB/H		

(CONTINUED) SNACK FOODS PLANT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TORTILLA CHIP LINE #2	4517.80 LB/H				
		PM	0.7000 LB/H		
CORN RECEIVING & CLEANING	15000.00 LB/H				
		PM	0.1900 LB/H	CYCLONE	90.00
BOILER	10.00 MMBTU/H				
		PM	0.1500 LB/H		
		SO2	2.5000 LB/H		
		NOX	100.0000 PPM AT .3% O2		
			0.9400 LB/H		
SUGAR RECEIVING, STORAGE, & SIF*	25000.00 LB/H				
		PM	0.1700 LB/H	FABRIC FILTER	
FLOUR RECEIVING	25000.00 LB/H				
		PM	0.1900 LB/H	FABRIC FILTER	
FLOUR SCREENING	13200.00 LB/H				
		PM	0.0900 LB/H	FABRIC FILTER	

NOTES ----------
507 GAL/H, 0.25 % S OIL, 72000. SCF/H NATURAL GAS. FILE A 370-014 NOTE -- PERMITS 3082001 - 3082011

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 249.00 MMBTU/H

COMPANY NAME/SITE LOCATION A.E. STALEY MFG. CO. MORRISVILLE, PA
BUCKS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 81PA01
DETERMINATION MADE BY EPA REGION III (AGENCY) DAVID ARNOLD (AGENCY CONTACT PERSON) (215)-597-7936 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/27/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL BOILER	249.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		
				BAGHOUSE	99.00
		SO2	0.9000 LB/MMBTU		
				FGD-DRY SCRUBBER	80.00
		NOX	0.7000 LB/MMBTU		
				COMBUSTION MODIFICATION TECH.	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 45.00 MMBU/YR

COMPANY NAME/SITE LOCATION BOONE VALLY COOP. EAGLE GROVE, IA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY) DANIEL RODRIGUEZ (AGENCY CONTACT PERSON) (816)-374-6525 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/28/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
COAL-FIRED BOILER	146.50 MMBTU/H		
		SO2	2.0000 LB/MMBTU LOW S WESTERN COAL
		NOX	0.6000 LB/MMBTU LEA AND STAGED COMBUSTION
MINERAL OIL SCRUBBER			
MEAL DRYER		VOC	0.0700 GAL/T SOYBEAN PROC.
MEAL COOLER		VOC	0.2500 GAL/T SOYBEAN PROC.
		VOC	0.2000 GAL/T SOYBEAN PROC.

NOTES ----------
VOC EMISSIONS ARE CONTROLLED BY THE DESIGN OF THE SOY EXTRACTION PROCESS EQUIPMENT WHICH MINIMIZES THE LOSS OF HEXANE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 113.00 MMBTU/H EA

COMPANY NAME/SITE LOCATION CAMPBELL SOUP CO. MAXTON, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-065
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	113.00 MMBTU/H EA	SO2	1.3000 LB/MMBTU	FUEL OIL 1.2% SULFUR	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION CAMPBELL SOUP CO. NAPOLEON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0335010105
DETERMINATION MADE BY OHIO EPA NWD (AGENCY) SAMIR ARAJ (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/20/81
ESTIMATED DATE OF START-UP-- 1982
(419)-352-8461 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
3 FLUIDIZED BED BOILERS	150000.00 LB/H STEAM	PM	0.1000 LB/MMBTU	BAGHOUSE	99.00
		SO2	1.6000 LB/MMBTU	LIMESTONE INJECTION	85.00
		NOX			

NOTES ----------
PERMIT CONDITIONS ALLOW INDICATED MAXIMA FOR PARTICULATE AND SO2 EMISSIONS ONLY IF THE STACK TESTS SHOW THAT THE LIMITS CANNOT BE ACHIEVED. THEY ALSO REQUIRE DECOMMISIONING OF TWO EXISTING OIL FIRED BOILERS (CAPY. 160000 LB/H), AND INSTALLATION OF CONTINUOUS OPACITY MONITOR PER 40 CFR PART 60.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 161.20 MMBTU/H

COMPANY NAME/SITE LOCATION CARGILL, INC.
P.O. DRAWER 878 HARTSVILLE, SC 29550

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) OTTO PEARSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/25/81
ESTIMATED DATE OF START-UP--
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, #5 + #6	80.60 MMBTU/H EA				
		PM	29.0000 LB/H	FABRIC FILTER	BACT 98.00
		SO2	326.9000 LB/H	1.28% SULFUR IN COAL	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/02/1984

ID NUMBER SC-0004

SOURCE TYPE CODE 7.12

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 51.20 MMBTU/H

COMPANY NAME/SITE LOCATION CENTRAL SOYA MARION, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 03-779
DETERMINATION MADE BY OHIO EPA NWD (AGENCY) SAMIR ARAJ (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/09/79
ESTIMATED DATE OF START-UP-- 1981
(419)-352-8461 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLUIDIZED BED BOILER	44.00 MMBTU/H	PM	0.0240 LB/MMBTU	BAGHOUSE	98.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 243.00 MMBTU/H

COMPANY NAME/SITE LOCATION GENERAL FOODS CORP. DOVER, DE

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. APC 83/074
DETERMINATION MADE BY DELEWARE DNR (AGENCY) HUGH MENGHI (AGENCY CONTACT PERSON) (302)-736-4791 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/23/82
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	243.00 MMBTU/H				
		SO2	3.0400 LB/MMBTU	2% S COAL	
		PM	0.1000 LB/MMBTU	ESP	99.00
		NOX	0.7000 LB/MMBTU	FURNACE DESIGN	

NOTES ----------
BACT FOR SO2 DETERMINED BY FUEL AVAILABILITY AND ECONOMICS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION GRIFFIN INDUSTRIES NEWBERRY, IN

DETERMINATION IS BACT
PERMIT NO.
DETERMINATION MADE BY INDIANA APCD (AGENCY) RICHARD WILLIAMSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(317)-633-0663 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED		NOX	183.0000 T/YR	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION HTC INDUSTRIES SAN ANGELO, TX
TOM GREEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8710
DETERMINATION MADE BY TEXAS ACB (AGENCY) GARY WALLIN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/30/81
ESTIMATED DATE OF START-UP-- 1982
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BATCH COOKERS, 6	8000.00 LB EA				
		ODOR	100.0000 ODOR UNITS	VENTED TO BOILER FIRE BOXES	99.00
GAS/OIL FIRED BOILERS, 2	500.00 HP				
		NOX	0.3000 LB/H		
		CO	3.3000 LB/H		
		PM	0.7500 LB/H		
		SO2	5.4000 LB/H		
PLANT AIR FROM 6 BATCH COOKERS	100000.00 ACFM				
		ODOR	100.0000 ODOR UNITS	HORIZONTAL, CROSSFLOW SCRUBBER	90.00

NOTES ----------
ONE BOILER IS FOR STAND-BY OPERATION ONLY. POLLUTANT EMISSION RATES ARE FOR ONE BOILER, FIRING 100% NO. 2 FUEL OIL.

ANIMAL BY-PRODUCTS MUST BE FRESH.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION KNAPPEN VYLACTOS MOLASSES ST. PAUL, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 181-81-I-1
DETERMINATION MADE BY MINNESOTA PCA (AGENCY) JERRY LIEFERT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/07/81
ESTIMATED DATE OF START-UP-- 1981
(612)-296-7272 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING DRUM	14.50 T/H	PM	1.9400 T/YR	PARALLEL CYCLONES & INCIN.	BACT 98.00
SETTLING CHAMBER SEPARATION CYC	37000.00 CF/M	PM			
FLUID BED CONVEYOR	7.50 T/H	PM			

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 12.00 MMLB/YR DRY MILK

COMPANY NAME/SITE LOCATION LAND O'LAKES INC. MOUNTAIN LAKE, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 787U-81-I-1
DETERMINATION MADE BY MINNESOTA PCA (AGENCY) JERRY LIEFERT (AGENCY CONTACT PERSON) (612)-296-7272 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/08/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY DRYER (MILK POWDER)	12.00 MMLB/H	PM	TRACE	BACT
			1.0000 T/YR	
			BAGHOUSE	99.80
			JET PULSE AIR CLEANING	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION PACIFIC ADHESIVES COMPANY OF TEXAS FORT WORTH, TX
TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 6690A
DETERMINATION MADE BY TEXAS ACB (AGENCY) GARY WALLIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/02/82
ESTIMATED DATE OF START-UP-- 1979
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLOOD DRYER, DRIED BLOOD HANDLI*	1300.00 LB/H DRIED *	PM	3.0000 T/YR	BAG FILTER	99.00
BLOOD DRYER	1300.00 LB/H DRIED *	ODOR		CYCLONE, VENTURI, PACKED SCRUBBER	90.00

NOTES ----------
ORIGINAL PERMIT, 6690, WAS ISSUED TO A DIFFERENT OWNER ON 1/26/79. NO CHANGE IN POLLUTANT CONTROLS WAS REQUIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 18.00 BALE/H

COMPANY NAME/SITE LOCATION PRODUCERS COTTON OIL CO. FRESNO, CA
1/2 MILE EAST OF LASSEN AVE.

DETERMINATION IS B/L FOR A MODIFIED SOURCE.
PERMIT NO. 1030042101
DETERMINATION MADE BY FRESNO COUNTY APCD (AGENCY) WILLIAM RODDY (AGENCY CONTACT PERSON) (209)-445-3239 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/20/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
#2 CLEANER MOIST AIR FAN	18.00 BALE/H	PM	0.0145 GR/SCF	1D-3D CYCLONE COLLECTORS	
MOTES ROBBER (2ND CUT)	18.00 BALE/H	PM	0.0290 GR/SCF	1D-3D CYCLONE COLLECTORS	
MG LINT CLEANER	18.00 BALE/H	PM	0.0007 GR/SCF	1D-3D CYCLONE COLLECTORS	
MOTES	18.00 BALE/H	PM	0.0094 GR/SCF	1D-3D CYCLONE COLLECTORS	
WAGON SUCTION	18.00 BALE/H	PM	0.0102 GR/SCF	1D-3D CYCLONE COLLECTORS	

NOTES ----------
BOTH A BACT & A LAER DETERMINATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 850.00 KW

COMPANY NAME/SITE LOCATION RALSTON PURINA, VAN CAMP SEAFOOD DIV. PAGO PAGO, AS

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AS 83-01
DETERMINATION MADE BY EPA REGION IX (AGENCY) MATT HABER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/06/83
ESTIMATED DATE OF START-UP-- 1983
(415)-974-8209 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I.C. ENGINE	850.00 KW	NOX	320.0000 PPM AT 15% O2 19.3600 LB/H 2H AV		

NOTES ----------
THIS IS A NEW DIESEL ENGINE ADDED TO AN EXISTING CANNERY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 248.00 MMBTU/H, 5, EA

COMPANY NAME/SITE LOCATION R. J. REYNOLDS TOBACCOVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY FORSYTH COUNTY ENV. AFFAIRS (AGENCY) - KEITH TART (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(919)-727-8060 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, PULVERIZED COAL FIRED,5	248.00 MMBTU/H EA				
		PM	0.0500 LB/MMBTU		BACT
				BAGHOUSE	99.50
		BE	0.0004 GM/MMBTU		BACT
				BAGHOUSE	99.50
		PB	0.0009 GM/MMBTU		BACT
				BAGHOUSE	99.50
		SO2	1.2000 LB/MMBTU		NSPS
				LOW S COAL	
		NOX	0.7000 LB/MMBTU		NSPS
				COMBUSTION CONTROLS	
		F	0.0048 LB/MMBTU		BACT
		HG	0.0030 GM/MMBTU		BACT
		CO	0.0370 LB/MMBTU		BACT
		VOC	0.0110 LB/MMBTU		BACT
ASH HANDLING	2.20 T/H				
		PM	0.0400 LB/T		BACT
				BAGHOUSE	99.90
				H2O SPRAY	
UNLOADING COAL FROM RAIL CARS	254040.00 T/YR				
		FUG*	0.1100 GR/T		LAER
				PARTIAL ENCLOSURE & CHEM. SPRAY	97.00

(CONTINUED) R. J. REYNOLDS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL STORAGE PILE	254040.00 T/YR				
		FUG*	0.0130 LB/T		BACT
				STACKER/TELESCOPIC CHUTE/CHEM. STAB.	96.00
CIGARETTE MFG	37.50 T/H				
		PM	0.2500 LB/T		BACT
				BAGHOUSE & WET SCRUBBER	99.90
		FUG*	0.2100 LB/T		BACT
		VOC	11.6300 LB/T		
				PROCESS CHANGE	74.00
VEHICLE TRAFFIC	2275.00 VEH/D				
		FUG*	7.2000 LB/D		
				FLUSHING/SPEED REDUCTION/PAVING	88.00

NOTES ----------
PSD APPLICATION IS BEING REVIEWED AT PRESENT AND NO PERMITS HAVE BEEN ISSUED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL 302.60 MMBTU/H

COMPANY NAME/SITE LOCATION R. J. REYNOLDS TOBACCO CO. WINSTON-SALEM, NC
FOURTH & PATTERSON AVE

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 00405-0004-P
DETERMINATION MADE BY FORSYTH COUNTY ENV. AFFAIRS (AGENCY) KEITH TART (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/09/79
ESTIMATED DATE OF START-UP-- 1979
(919)-727-8060 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	302.60 MMBTU/H				
		PM	0.1000 LB/MMBTU	ESP	B/L 99.80
		SO2	1.2000 LB/MMBTU	LOW S FUEL	B/L
		NOX	0.7000 LB/MMBTU	COMBUSTION CONTROLS	B/L
		VE	20.0000 % OPACITY	ESP	LAER 99.80

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION SALYER GRAIN & MILLING CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8323
DETERMINATION MADE BY KINGS COUNTY APCD (AGENCY) MARTIN KEAST (AGENCY CONTACT PERSON) (209)-584-1411 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/20/83
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COTTON GIN	800.00 BALES/D				
		PM	17.0000 LB/H	CYCLONES	

NOTES ----------
STATE FILE # A370-034-83

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

SOURCE TYPE/SIZE--- OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION ZALOOM BROTHERS, INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 3081001
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY) TOM PAXSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/24/84
ESTIMATED DATE OF START-UP-- 1982
(805)-861-8682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRECLEANER, HULLING & DRYING	300.00 T/D	PM	141.6000 LB/D	HIGH EFFICIENCY CYCLONE	96.00
FINISHING	40000.00 LB/D	PM	11.4000 LB/D	HIGH EFFICIENCY CYCLONE	90.00

NOTES ----------
FILE NUMBER A370-033-084. PERMIT NUMBER 30810002

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION 180500.00 T/YR

COMPANY NAME/SITE LOCATION ALCOA
NC 740 BOX 576
BADIN, NC
STANLY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NC 078
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/20/81
ESTIMATED DATE OF START-UP-- 1982
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ANODE PRODUCTION	105260.00 T/YR				
		PM	9.0000 LB/H		
		SO2	13.0000 LB/H		
		VOC	5.0000 LB/H		
POT LINE 3	54500.00 T/YR				
		PM	26.0000 LB/H	FABRIC FILTER	BACT
		SO2	321.0000 LB/H		BACT
		F	12.0000 LB/H	DRY SCRUBBER	BACT
		CO2	1444.0000 LB/H		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION 612.00 T/D

COMPANY NAME/SITE LOCATION ALCOA WENATCHEE, WA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-X82-04
DETERMINATION MADE BY EPA REGION X (AGENCY) PAUL BOYS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/12/82
ESTIMATED DATE OF START-UP-- 1984
(206)-442-1106 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POTLINES 1,2,3	344.00 T/D				
		SO2	3.0000 % S IN COKE		
			46.0000 LB/T ALUMINUM		
				LIM. S CONTENT IN COKE, RAW	

NOTES ----------
THIS IS A MODIFICATION OF THE AIR POLLITION CONTROL SYS ONLY. THERE WAS NO CHANGE IN PRODUCTION. THE STATE OF WASHINGTON REQUI RED UP-GRADING THE APC SYS FROM A WET SCRUBBER TYPE TO THE A-398 DRY ALUMINA ABSORPTION & BAGHOUSE IN ORDER TO IMPROVE CONTROL OF FLUORIDES AND PARTICULATE. THIS MODIFICATION RESULTED IN AN INCREASE IN SO2.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION 220000.00 T/YR

COMPANY NAME/SITE LOCATION ALUMAX PACIFIC CORP. UMATILLA, OR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30-0074
DETERMINATION MADE BY OREGON DEQ (AGENCY) LLOYD KOSTOW (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/20/83
ESTIMATED DATE OF START-UP--
(503)-229-5186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENTIRE PLANT	220000.00 T/YR				
		PM	5.4000 LB/T MONTHLY AV 5.0000 LB/T ANNUAL AV	BAGHOUSE	PSD
		F	1.3000 LB/T MONTHLY AV 1.0000 LB/T ANNUAL AV	DRY SCRUBBER	BACT
ANODE COKE					
		SO2	3.0000 %	SULFUR LIMIT IN COKE	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER OR-0002

SOURCE TYPE CODE 8.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION ARCO ALUMINUM, P.O. BOX 44, HENDERSON, KY 42420

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-83-48
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/18/83
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
UNREACTED ORE STORAGE, 3 TANKS					
		PM	0.7100 LB/H	BAGHOUSE	99.00
		PM	0.5800 LB/H	BAGHOUSE	99.00
		PM	1.4000 LB/H	BAGHOUSE	99.00
AL REDUCTION POTROOM LINES, 4	7.20 T/H ORE				
		PM	1.9000 LB/T AL	BAGHOUSE	
		SO2	358.8000 LB/H	FUEL, S CONTENT	
		F	64.1000 T/YR	SCRUBBER	87.40
		VE	10.0000 % OPACITY		
BUTTS SURGE TANKS, 2		PM	0.8600 LB/H		
ANODE BUTTS CLEANING		PM	2.0000 LB/H		

(CONTINUED) ARCO ALUMINUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ANODE BUTTS STRIP & CRUSHER	40.00 T/H OUTPUT	PM	3.3000 LB/H	
CENTRAL BUTTS PROCESSING	30.00 T/H OUTPUT	PM	3.6000 LB/H	
POT DEMOLITION		PM	8.6000 LB/H	
CYOLITE BATH CRUSHER		PM	12.9000 LB/H	
BATH STG. BIN		PM	5.1000 LB/H	
COKE BALL MILL		PM	0.8600 LB/H	
COKE CRUSHING		PM	1.3000 LB/H	
COKE FINISH & HANDLING		PM	1.2000 LB/H	
ANODE/CATHODE MIXERS	16.00 T/H	PM	0.9400 LB/H	
ANODE MIXERS, 3		PM	0.5400 LB/H	
GREEN ANODE SCRAP STG.		PM	5.1000 LB/H	
COKE PACKING & CONVEYING		PM	0.9900 LB/H	
FLUID COKE CONVEYING & DIST.		PM	0.8600 LB/H	

(CONTINUED) ARCO ALUMINUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTRIC ARC FURNACES, 4		PM	2.8000 LB/H	
ANODE ROD & STUB CLEANING		PM	1.0000 LB/H	
HOLDING FURNACES, 5		PM	0.3700 LB/H	
		SO2	0.0200 LB/H	
		CO	0.6300 LB/H	
		NOX	6.7000 LB/H	
		VOC	0.1100 LB/H	

NOTES ----------

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 8.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION 72884.00 T/YR

COMPANY NAME/SITE LOCATION ARCO METALS CO. SEBREE, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-83-48
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/19/83
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMARY ALUMINUM REDUCTION POTL*	72884.00 T/YR				
		PM	0.0200 GR/SCF		BACT
				BAGHOUSE	98.00
				HOODING FOR RAW MATL. HANDLING	
		F	1.9000 LB/T		BACT
				A-398 DRY SCRUBBING/BAGHOUSE	97.00
				HOODING	
		SO2	388.0000 LB/H		BACT
			1700.0000 T/YR		
				LOW S COKE & PITCH	

NOTES ----------
CONTROL EFFICIENCIES LISTED ARE OVERALL CONTROL EFFICIENCY INCLUDING CAPTURE.

COMPANY HAS NOT COMMENCED CONSTRUCTION TO DATE & HAS REQUESTED AN 18 MONTH EXTENSION OF THE PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/26/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION COASTAL ALUMINUM WALLACE, SC

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. SC-036
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) DAVID FLEMING (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/21/80
ESTIMATED DATE OF START-UP--
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WHOLE PLANT					
		PM	14.7000 LB/H	ESP	BACT
		F		WET SCRUBBER	
ANODE BAKE OVENS, 2 EA		VOC	11.7700 LB/H		
		SO2		0.8% S LIMIT ON FUEL	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/02/1984

SOURCE TYPE/SIZE--- COKE PRODUCTION 277000.00 T/YR

COMPANY NAME/SITE LOCATION AIRCO CARBIDE (DIV OF AIRCO, INC.) CALVERT CITY, KY 42029
HWY 1523 MARSHALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-81-42
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 08/12/81
ESTIMATED DATE OF START-UP--
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW MATERIAL HANDLING	367000.00 T/YR				
		PM	8.2100 T/YR		LAER
				WET SUPPRESSION + ENCLOSURES + CYCLONES	97.00
ROTARY KILN	277000.00 T/YR				
		PM	1.3300 T/YR		LAER
				HOODING + INCINERATOR	99.90
		SO2	243.2000 T/YR		BACT
				SCRUBBER	93.50
		CO	20.5100 T/YR		SIP
				INCINERATOR	99.90
		NOX	21.0700 T/YR		
				INCINERATOR	
		VOC	35.6200 T/YR		
				INCINERATOR	99.50
PRODUCT HANDLING	277000.00 T/YR				
		PM	6.0400 T/YR		LAER
				HOODING, BAGHOUSES	99.00

NOTES ----------
THIS EQUIPMENT WILL NOT BE CONSTRUCTED. PERMIT HAS EXPIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- COKE PRODUCTION 1400000.00 T/YR

COMPANY NAME/SITE LOCATION BETHLEHEM STEEL CORP. SPARROWS POINT, MD 21219
SPARROWS POINT PLANT BALTIMORE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79MD03
DETERMINATION MADE BY EPA REGION III (AGENCY) ED VOLLBERG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/06/79
ESTIMATED DATE OF START-UP-- 1980
(215)-597-8179 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVENS, 80	1.40 MMT/YR COAL				
		SO2	26.0000 LB/H	S IN FUEL LIM. TO 1.0% BY WT.	BACT
CHARGING					
		PM	0.0005 LB/T		LAER
DOORS					
		PM	0.0500 LB/T		LAER
PUSHING					
		PM	0.0300 LB/T 0.0300 GR/DSCF		LAER
QUENCHING					
		PM	0.3090 LB/T		LAER
STAND PIPES					
		PM	0.3000 LB/T		LAER
UNDERFIRE					
		PM	0.1200 LB/T 0.0150 GR/DSCF		LAER

NOTES ----------
DETERMINATION FOR SOURCE IS BACT/LAER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1933

PSD PERMIT RESCINDED - EMISSION REDUCTIONS RESULTING FROM SHUTDOWN OF BATTERIES 7,8,9,10 OFFSET EMISSIONS FROM NEW COKE OVEN B
ATTERY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

ID NUMBER MD-0006

SOURCE TYPE CODE 8.2

SOURCE TYPE/SIZE--- COKE PRODUCTION 763.00 T/D COKE

COMPANY NAME/SITE LOCATION GRANITE CITY STEEL GRANITE CITY, IL MADISON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. C808048
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/01/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COKE OVENS, PUSHING	763.00 T COKE/D				
		PM	0.0400 LB/T COKE	ENCLOSED QUENCH CAR/SCRUB SYS. INVEN OF PARTS, MAINTEN PROCED	LAER
		VOC			LAER
BATTERY STACK					
		PM	0.0150 GR/DSCF		LAER
LIDS					
		PM	1.0000 % OF LIDS	VE FROM NO MORE THAN 1% OF LIDS	LAER
		VOC			LAER
DOORS					
		PM	5.0000 % OF OVENS	DESIGN & PARTS INVENTORY VE FROM NO MORE THAN 5% OF OVENS	LAER
		VOC			LAER
CHARGING					
		PM		55 S TOT. FOR 5 CONSEC. CHARGES	LAER
		VOC			LAER

(CONTINUED) GRANITE CITY STEEL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OFFTAKE PIPING				
		PM	4.0000 % OF PIPING	LAER
			VE FROM NO MORE THAN 4% OF PIPING	
		VOC		LAER

NOTES ----------
LAER LIMITS WERE ESTABLISHED AS PART OF A CONSENT DECREE BETWEEN IEPA,USEPA, & NATIONAL STEEL. EMISSION LIMITS BASED ON FUGITIVE PARTICULATE CONTROL ARE ALSO PRESUMED TO MINIMIZE ORGANIC MATTER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- COKE PRODUCTION 790.00 T/D COKE

COMPANY NAME/SITE LOCATION GRANITE CITY STEEL GRANITE CITY, IL
MADISON COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 81 01 0067
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/01/81
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COKE OVENS, PUSHING	790.00 T COKE/D				
		PM	0.0400 LB/T COKE	ENCLOSED QUENCH CAR/SCRUB SYS. INVEN OF PARTS, MAINTEN PROCED	LAER
		VOC			LAER
BATTERY STACK					
		PM	0.0150 GR/DSCF		LAER
LIDS					
		PM	1.0000 % OF LIDS	VE FROM NO MORE THAN 1% OF LIDS	LAER
		VOC			LAER
DOORS					
		PM	5.0000 % OF OVENS	DESIGN & PARTS INVENTORY VE FROM NO MORE THAN 5% OF OVENS	LAER
		VOC			LAER
CHARGING					
		PM		55 S TOT. FOR 5 CONSEC. CHARGES	LAER
		VOC			LAER

(CONTINUED) GRANITE CITY STEEL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OFFTAKE PIPING		PM	4.0000 % OF PIPING	VE FROM NO MORE THAN 5% OF PIPING	LAER
		VOC			LAER

NOTES ----------
LAER LIMITS WERE ESTABLISHED AS PART OF A CONSENT DECREE BETWEEN IEPA, USEPA,& NATIONAL STEEL. EMISSION LIMITS BASED ON FUGITIVE PARTICULATE CONTROL ARE ALSO PRESUMED TO MINIMIZE ORGANIC MATERIAL EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION

COMPANY NAME/SITE LOCATION INLAND STEEL CO. EAST CHICAGO, IN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. PC(45)1445
DETERMINATION MADE BY INDIANA APCD (AGENCY)

DATE OF PERMIT ISSUANCE-- 09/22/80
ESTIMATED DATE OF START-UP--
TERRY HOYA (AGENCY CONTACT PERSON)
(317)-633-0664 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRE-CARBONIZATION EMISSIONS					
		PM	0.0310 GR/DSCF		
			20.0000 % OPACITY		
UNDERFIRE EMISSIONS					
		PM	0.1000 LB/MMBTU		
		SO2		SEE NOTES	
COKE OVEN GAS DESULFURIZATION					
		SO2	0.3500 GR/100 CF H2S		
PUSHING OPERATION					
		PM	0.0200 LB/T COKE		
OVEN DOORS					
		VE		NOT PERMIT. FROM>10% OF OV. DR	

NOTES ----------
UNDERFIRE FUEL IS LIMITED TO NATURAL GAS, DESULFURIZED COKE OVEN GAS, OR BLAST FURNACE GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION

COMPANY NAME/SITE LOCATION MARTIN MARIETTA CORP. WILMINGTON, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) LA 80-03
DETERMINATION MADE BY EPA REGION IX (AGENCY) DENNIS BEAUREGARD (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/11/80
ESTIMATED DATE OF START-UP--
(415)-974-8236 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CALCINING FACILITY	51.40 T/H	SO2	131.0000 LB/H		
			2.5500 LB/T GREEN COKE		
				SODIUM ALKALI SCRUB. SYS	86.00

NOTES ----------
BACT IS DETERMINED BY "STATE OF THE ART" TECHNOLOGY AND ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- COKE PRODUCTION 210000.00 T/YR

COMPANY NAME/SITE LOCATION PENNSYLVANIA COKE TECHNOLOGY, INC. LESTER, WV RALEIGH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 80WV04
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/06/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMBUSTION STACK	210000.00 T/YR				
		PM	20.2000 LB/H	AFTERBURNER	BACT
		SO2	161.1000 LB/H	LOW SULFUR COAL FEED	90.00
					BACT
FUGITIVE TSP		NOX	785.0000 LB/H		
					BACT
		PM			
					BACT

NOTES ----------
0.7% S COAL FEED USED TO LIMIT SO2 EMISSIONS. TECHNOLOGY & AIR QUALITY CONSIDERED. 50% INCREMENT CONSUMED. PLANT WOULD BE FROT
OTYPE. OPACITY REQUIREMENTS FOR TSP.
PROJECT HAS NOT COMMENCED CONSTRUCTION. STATE PERMIT HAS NOT BEEN CANCELLED YET.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983 INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- COKE PRODUCTION 760.00 T/D

COMPANY NAME/SITE LOCATION REPUBLIC STEEL CORP. CLEVELAND, OH CUYAHOGA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-083
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKRAM HABIB (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(216)-664-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PUSHING OPERATION	32.00 T/H COKE PR*	PM	0.0600 LB/T COKE PUSHED	KOPPER,QUENCH CAR W/ATT SCRUB	90.00
CHARGING HOLE LIDS	32.00 T/H COKE PR*	PM	2.0000 % OF LIDS	LARRY CAR W/STAGE CHARGING	
OFFTAKE PIPING	32.00 T/H COKE PR*	PM	5.0000 % OF PIPES		
COKE OVEN DOORS	32.00 T/H COKE PR*	PM	10.0000 % OF DOORS		
WASTE GAS STACK	32.00 T/H COKE PR*	PM	0.0300 GR/SCF	DESULFURIZATION PLANT	
METALLURGICAL COKE MFG.	32.00 T/H COKE PR*	H2S	35.0000 GR/100 DSCF	OPERATING & MAINTEN. PROCED.	

NOTES ----------
FED./STATE/LOCAL LAWS AND CONSENT ORDERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- COKE PRODUCTION 1.52 MMT/YR

COMPANY NAME/SITE LOCATION REYNOLDS METALS CO. BATON ROUGE, LA
EAST BATON ROUGE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-LA-502
DETERMINATION MADE BY LAQD/EPA REGION VI (AGENCY) NAN KILLEEN (AGENCY CONTACT PERSON) (504)-342-8940 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/02/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, COKE CALCINING, #5	265000.00 T/YR				
		PM	42.0000 LB/H	COMBUSTION AT 2000F,10-12 SEC	BACT
		SO2	2216.0000 LB/H	5% S BY WT GREEN COKE	SIP
		NOX	97.0000 LB/H	LIMIT EXCESS AIR TO COMBUSTION	BACT
		VE	20.0000 % OPACITY		
COOLER, PRODUCT, #5					
		PM	2.0000 LB/H	BAGHOUSE	99.00
		VE	10.0000 % OPACITY		

NOTES ----------
FUGITIVE EMISSION FROM COKE HANDLING AND ALL TRANFER POINTS WHICH ARE ROUTED TO A BAGHOUSE ARE LIMITED TO 10% OPACITY. PERMIT REQUIRES TREATMENT OF CALCINED COKE WITH DUST SUPPRESSANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

SOURCE TYPE/SIZE--- PRIMARY COPPER SMELTING 100000.00 T/YR

COMPANY NAME/SITE LOCATION ASARCO, INC. TACOMA, WA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY PUGET SOUND APCA (AGENCY) HARRY WATTERS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1985
(206)-344-7334 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. HANDL., REVERBATORY FURNA*	250000.00 T/YR	AS	WATER GRANULATION, SEE NOTE	99.00

NOTES ----------
THE REACTION OF MOLTEN SLAG & WATER QUICKLY FORMS SMALL GLASS-LIKE PARTICLES WHICH PREVENTS THE EMISSION OF VOLATILE ARSENIC.
THE GRANULATED SLAG IS REMOVED BY A DEWATERING CONVEYOR & TRANSFERED TO A STORAGE BIN. THE WATER
IS SETTLED IN TWO ADDITIONAL BASINS & RECIRCULATED TO THE GRANULATION SYSTEM WITH MAKE-UP WATER ADDED AS NECESSARY.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/13/1984

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE--- FERROALLOY PRODUCTION

COMPANY NAME/SITE LOCATION CABOT CORP. KOKOMO, IN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. PC(34)1482
DETERMINATION MADE BY INDIANA APCD (AGENCY) RICHARD WILLIAMSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/05/80
ESTIMATED DATE OF START-UP--
(317)-633-0663 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SLAB CUT OFF		PM	20.0000 T/YR	BAGHOUSE	LAER 99.00
ROUGH GRIND		PM	20.0000 T/YR	BAGHOUSE	LAER 99.00
GRIT BLAST OPERATION		PM	20.0000 T/YR	BAGHOUSE	LAER 99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 95.00 MT/YR MELT

COMPANY NAME/SITE LOCATION ARMCO STEEL CORP.
P.O. BOX 1697
BALTIMORE, MD 21203
BALTIMORE CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79MD02
DETERMINATION MADE BY EPA REGION III (AGENCY) ED VOLLBERG (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 12/12/79
ESTIMATED DATE OF START-UP-- 1980
(215)-597-8990 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECT. ARC FURNACE	95.00 MT/YR MELT	PM	0.0052 GR/DSCF 38.0000 LB/D	BAGHOUSE	BACT 99.90

NOTES ----------
EMISSION LIMIT IS BASED ON NSPS. SOURCE IS NOT PSD UNDER NEW DEFINITION.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 145.50 MCF/H

COMPANY NAME/SITE LOCATION BAYOU STEEL LAPLACE, LA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-LA-066
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/30/78
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DUST CONTROL					
		SO2	0.2000 LB/H	NONE	
		PM	9.6800 LB/H	WET SPRAY/ENCLOSED	
ELECT. ARC FURNACES, 2	145.50 MCF/H				
		SO2	0.0900 LB/H	NONE	
		PM	2.1900 LB/H	NONE	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 1.20 MMT/YR STEEL

COMPANY NAME/SITE LOCATION BETHLEHEM STEEL CORP. JOHNSTOWN, PA
CAMBRIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79PA07
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/03/79
ESTIMATED DATE OF START-UP--
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECT. ARC FURNACE					
		PM	0.0020 GR/DSCF		BACT
			8.5000 LB/H		
				BAGHOUSE	99.90
		CO	140.0000 LB/H		BACT
DESULFURIZATION					
		PM	0.0010 GR/DSCF		BACT
			0.1200 LB/H		
				BAGHOUSE	99.99
MATERIAL HANDLING					
		PM	0.0010 GR/DSCF		BACT
			0.5500 LB/H		
				BAGHOUSE	99.99
ELECT. ARC FURNACE SHOP					
		PM	0.0000 % OPACITY		BACT
				ROOF CANOPY COLLECTION	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION CAMERON IRON WORKS
P.O. BOX 1212
HOUSTON, TX 77001

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-233
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/22/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VAC. ARC DEGREASING/VAC. O2 DEC*	50.00 T/HEAT CO	CO	8.0000 LB/H VAD 700.0000 LB/H VOC	PROCESS CONTROL	BAC

NOTES ----------
ONLY 1 PROCESS CAN BE OPERATED AT ONE TIME (VAD OR VOD). MAX. # OF HEATS TO BE PROCESSED THRU THE VAD/VOD FURNACE WILL BE 3 HE AT/DAY FOR VOD AND 7 HEATS/DAY FOR VOD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 800000.00 T/YR

COMPANY NAME/SITE LOCATION CHAPANAL STEEL CO. MIDLOTHIAN, TX
ELLIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-TX-138
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/31/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AUTO SHREDER PRIMARY COLLECTION*	80.00 MT/YR				
		PM	10.0000 LB/H	FABRIC FILTER DUST COLL.	99.90
AUTO SHREDDING SECOND. & TERTIA*					
		PM	13.0000 LB/H		
ELECT. ARC FURNACES, 2					
		CO	855.0000 LB/H EA	LEA, PROPER OPERATION	
		PM	15.6000 LB/H EA	BAGHOUSE	NSPS 95.00
BILLET HEAT FURNACES, 2					
		CO	4.8000 LB/H EA	LEA, PROPER OPERATION	
		PM	1.9000 LB/H EA	NONE	
MELT SHOP ROOF MONITORS, 2					
		CO	45.0000 LB/H EA	LEA, PROPER OPERATION	
		PM	26.4000 LB/H EA	BAGHOUSE	97.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

ID NUMBER TX-0053

SOURCE TYPE CODE 8.5

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 71.00 T/H

COMPANY NAME/SITE LOCATION FLORIDA STEEL CORP. BALDWIN, FL
DUVAL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-074
DETERMINATION MADE BY FLORIDA DER (AGENCY) BRUCE MITCHELL (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/03/83
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE	71.00 T/H				
		PM	0.0052 GR/DSCF	BAGHOUSE	98.00
		SO2	20.0000 LB/H		
		CO	58.5000 LB/H	AFTERBURNER	95.00
		NOX	1.1000 LB/H		
SHOP ROOF-CHARGING CYCLE		VE	20.0000 % OPACITY		
SHOP ROOF-TAPPING CYCLE		VE	40.0000 % OPACITY		
BAGHOUSE EFFLUENT		VE	3.0000 % OPACITY		

NOTES ----------
NSPS SUBPART AA, PRODUCTION INCREASE FROM 32 TO 65 BILLET TON PER HOUR STEEL PRODUCT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 200000.00 LB/H

COMPANY NAME/SITE LOCATION FLORIDA STEEL CORP. JACKSON, TN
MADISON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY TENNESSEE APCD (AGENCY) MERVAT AHMED (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DIRECT AFC MELTING FURNACE & LI*	149300.00 LB/H				
		PM	0.0052 GR/SCF	FABRIC FILTERS	B/N 99.90
		CO	1343.7000 LB/H		BACT
REHEAT FURNACE	200000.00 LB/H				
		PM	16.0000 LB/H		BACT
		SO2	193.6000 LB/H	1% S FUEL	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION JONES & LAUGHLIN STEEL CORP. CLEVELAND, OH 44109
3341 JENNINGS RD

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13-1158
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKE HABIB (AGENCY CONTACT PERSON) (216)-666-3508 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/17/84
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DESULFURIZATION, HOT METAL LADLE	375000.00 LB/H HOT ME*	PM	0.0100 GR/DSCF 16.6000 T/YR	BAGHOUSE	99.30

NOTES ----------
A VARYING BLEND OF LIME & MAGNESIUM IS INJECTED INTO LADLE AS A DESULFURIZING AGENT. THE MAX USAGE OF LIME IS 120 LB/MIN. & MA
X MAGNESIUM RATE IS 4.5 LB/MIN. DURING THE PROCESS. NITROGEN IS USED AS A CARRIER GAS AT A MAX RATE OF 20 CFM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 40.00 T/H

COMPANY NAME/SITE LOCATION ROANOKE ELECT. STEEL CO. ROANOKE, VA
ROANOKE CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 78VA06
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/27/80
ESTIMATED DATE OF START-UP-- 1983
(215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, ELECT. ARC, UNIT #4	40.00 T/H				
		PM	0.0052 GR/SCF	BAGHOUSE	NSPS 99.70

NOTES ----------
PM OPACITY LIMITS ALSO GIVEN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION STD SLAG CO., REPUB. STEEL CORP., #6 BL* CLEVELAND, OH

CUYAHOGA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13-1005
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) DANIEL NORTON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/19/82
ESTIMATED DATE OF START-UP-- 1983
(216)-664-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SLAG COOLING	100.00 T/D				
		PM	0.5000 LB/T SLAG		BACT
		H2S	0.2180 LB/T SLAG		

NOTES ----------
INNONATIVE TECHNOLOGY - PELLETIZATION WITH ROTARY DRUM & WATER SPRAY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 1.10 MMT/YR

COMPANY NAME/SITE LOCATION THE TIMKEN CO. CANTON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 1576051246
DETERMINATION MADE BY CANTON APCD (AGENCY) BRUCE BLANKENSHIP (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/81
ESTIMATED DATE OF START-UP-- 1985
(216)-489-3385 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECT. ARC FURN	1.10 MMT/YR				
		PM	0.0052 GR/DSCF	BAGHOUSE	99.65
		CO	0.9000 LB/T STEEL	FURNACE DESIGN	
DEGASSER-REFINER					
		PM	0.0052 GR/DSCF	BAGHOUSE	99.65
CONTINUOUS CASTER					
		PM	0.0052 GR/DSCF	BAGHOUSE	99.65
LADLE DRYER	20.00 MMBTU/H				
		PM	0.0200 LB/MMBTU	BAGHOUSE	99.65
LADLE PREHEATER	20.00 MMBTU/H				
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	

(CONTINUED) THE TIMKEN CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TUNDISH PREHEATER	20.00 MMBTU/H				
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	
MELT SHOP BINS AND TRUCK DUMP					
		PM	0.0100 GR/DSCF	BAGHOUSE	99.00
HOT SCARFING					
		PM	0.0100 GR/DSCF	WET ESP	98.00
BILLET GRINDERS, 6 EA					
		PM	0.0200 GR/DSCF	BAGHOUSE	99.00
SOAKING PITS	320.00 MMBTU/H				
		PM	0.0200 LB/MMBTU		
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	
REHEAT FURNACE	120.00				
		PM	0.0200 LB/MMBTU		
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	
MERCHANT MILL FURNACE	82.50 MMBTU/H				
		PM	0.0200 LB/MMBTU	BURNER CONTROL #2 OIL	
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	

(CONTINUED) THE TIMKEN CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TUBE MILL					
		PM	0.0200 LB/MMBTU	BURNER CONTROL #2 OIL	
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	
BOILERS, 3 EA.	40.00 MMBTU/H				
		PM	0.0200 LB/MMBTU		
		SO2	0.5500 LB/MMBTU	BURNER CONTROL #2 OIL	
		NOX	0.2500 LB/MMBTU	BURNER CONTROL #2 OIL	
		CO	0.0400 LB/MMBTU	BURNER CONTROL #2 OIL	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 500.00 MLB/H

COMPANY NAME/SITE LOCATION U.S. STEEL/DUQUESNE WORKS PITTSBURGH, PA
ALLEGHENY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 78PA18
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/06/79
ESTIMATED DATE OF START-UP--
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
IRON DESULFURIZATION FACILITY	500.00 MLB/H				
		PM	4.8000 LB/H	FABRIC FILTER	BACT 99.30

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION 1026.00 T/D

COMPANY NAME/SITE LOCATION YORK-HANNOVER SEAMLESS TUBES, INC. LITTLE ROCK, AR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-722-AR
DETERMINATION MADE BY ARKANSAS DPC (AGENCY) MIKE PORTA (AGENCY CONTACT PERSON) (501)-562-7444 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/01/83
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTRIC ARC FURNACE	1026.00 T/D				
		PM	0.0052 GR/SCF	BAGHOUSE	99.00
		CO	15.8000 LB/H	OXYDATION	0.00
RAW MATERIAL HANDLING					
		PM	0.2400 LB/H	BAGHOUSE	99.00
MANDREL MILL					
		PM	6.6100 LB/H	VENTURI SCRUBBER	95.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/06/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION YOUNGSTOWN STEEL CORP. STRUTHERS, OH

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 0250090622/02-843
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON) (312)-886-6054 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EAF & CONTINUOUS CASTER	70.00 T/HEAT	PM	0.0052 GR/DSCF	NSPS

NOTES ----------
COMPANY TO NOTIFY OF DATES OF CONSTRUCTION, STARTUP (ANTICIPATED AND ACTUAL) AND DATE OF PERFORMANCE TESTING TO NSPS REGS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION ALRECO METALS CO. BENTON HARBOR, MI 49022
ARTHUR MENDEL ROAD BERRIEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 342-344-81
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) DAVID FERRIER (AGENCY CONTACT PERSON) (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/15/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, AL HOLDING	140000.00 LB			
		SO2	0.5200 LB/MMBTU	
			.5% SULFUR OIL	
FURNACE, AL REVERB., 3 EA	200000.00 LB			
		F	2.5000 MG/CU METER	
		SO2	0.5200 LB/MMBTU	
		PM	0.0300 LB/MLB EXHAUST	
			FABRIC FILTER	99.90
		CL	3.0000 MG/CU METER	
SHREDDING OPERATION & DRYER				
		PM	0.0400 LB/MLB EXHAUST	
			FABRIC FILTER	99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 10500.00 T HYDRAULIC PRESS

COMPANY NAME/SITE LOCATION ALUMINUM CO. OF AMERICA CUYAHOGA HTS, OH
1600 HARVARD AV.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. P104
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) RUDY ZUPAN (AGENCY CONTACT PERSON) (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HYDRAULIC PRESSES	15750.00 LB/H				
		PM	1.2000 LB/H 0.0014 GR/DSCF	ELECTRIFIED GRAVEL FILTER BED ESP	90.00

NOTES ----------
INCOMPLETE COMBUSTION OF THE DIE LUBRICANTS MAY RESULT IN VOC EMISSIONS. CONTROL EFFICIENCY OF THIS SYSTEM ON VOC EMISSIONS IS NOT KNOWN AT PRESENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION BARMET OF KENTUCKY, INC. LIVIA, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-83-039
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/18/83
ESTIMATED DATE OF START-UP-- 1983
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, DROSS	40.00 T/H INPUT				
		PM	30.0000 LB/H 86.0000 T/YR	BAGHOUSE #4	99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 44000.00 LB/H

COMPANY NAME/SITE LOCATION CONSOLIDATED ALUMINUM CORP. NEW JOHNSONVILLE, TN
HUMPHREYS COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY TENNESSEE APCD (AGENCY) MERVAT AHMED (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/05/81
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DELACQUERING KILN & ELECT. FURN*	27000.00 LB/H				
		PM	0.0200 GR/SCF		BACT
				CYCLONE, AFTER BURN., BAGHOUSE	
COLD MILL	71048.00 LB/H				
		VOC	19.7000 LB/H		LAER
				ACHENBECK AIR PURE SYS OR EQV.	90.00
COIL COATING LINE	14110.00 LB/H				
		VOC	0.6000 LB/GAL COATING		LAER
				INCINERATION	90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION GMC, CENTRAL FOUNDRY DIV BEDFORD, IN

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. PC(47)1486
DETERMINATION MADE BY INDIANA APCD (AGENCY) ANDY SUNDERLAND (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/28/81
ESTIMATED DATE OF START-UP--
(317)-633-0663 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECT. INDUCTION AL. MELTING FU*	4900.00 LB/H	PM	13.0000 T/YR	VENTURI SCRUBBER	95.00
SAND BLAST SYS.	19700.00 LB/H	PM	16.0000 T/YR	BAGHOUSE	93.00

NOTES ----------
6000 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 15000.00 LB/FURNACE

COMPANY NAME/SITE LOCATION GREATER TENNESSEE METALS, INC. SANTA FE, TN
MAURY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY TENNESSEE APCD (AGENCY) MERVAT AHMED (AGENCY CONTACT PERSON) (615)-741-3651 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/03/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY FURNACE, 2	2.80 MMBTU/FURNA*				
		PM	4.4000 LB/H EA	BAGHOUSE, 2	BACT 99.90
		SO2	3.1000 LB/H	#2 F. OIL/0.5% S	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 1.50 T/H

COMPANY NAME/SITE LOCATION GULF COAST CHEMICALS, INC. , TX
BRAZORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9183
DETERMINATION MADE BY TEXAS ACB (AGENCY) ROBERT MAUEL (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/24/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REVERBERATORY FURNACE #1	1.50 T/H				
		PM	2.9000 LB/H		
		NOX	0.8800 LB/H		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION KAISER ALUMINUM & CHEMICAL CORP. BEDFORD, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC (47) 1481
DETERMINATION MADE BY INDIANA APCD (AGENCY) ANDY SUNDERLAND (AGENCY CONTACT PERSON) (317)-633-0663 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/07/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SHREDDING OPERATION	5346.00 LB/H				
		PM	2.9700 LB/H	HYDROSTATIC PRECIPITATOR	99.20
OXIDE DRYER	3.30 MMBTU/H				
		PM		HYDROSTATIC PRECIPITATOR	95.00
SALT DRYER	1.80 MMBTU/H				
		PM		HYDROSTATIC PRECIPITATOR	99.00
DELACQERING DRYER	14.00 MMBTU/H				
		PM	7.0000 LB/H	CYCLONE & AFTERBURNER	93.00
ROTARY FURNACE	20.00 MMBTU/H				
		PM	0.8000 LB/H	BAGHOUSE	98.00

NOTES ----------
6240 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 150000.00 LB/H CASTING

COMPANY NAME/SITE LOCATION MARTIN MARIETTA OF KENTUCKY LEWISPORT, KY 42351
P.O. BOX 480 HANCOCK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 05/18/79
PERMIT NO. C-79-4 ESTIMATED DATE OF START-UP-- 1981
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AL SCRAP RECYCLING SCHREDDER	15.00 T/H				
		PM	9.6400 LB/H		
			0.6400 LB/T SCRAP		
				VENTURI/CYCLONE	97.00
INDUCTION FURNACES, 6	3.50 T/H				
		PM	7.1400 LB/H		
HOLDING FURNACES, 6	3.75 T/H				
		PM	11.7400 LB/H		
		SO2	54.3000 LB/H		
		NOX	16.9000 LB/H		
REVERB	4.50 T/H				
		PM	2.3300 LB/H		
		SO2	10.1000 LB/H		
		NOX	3.1000 LB/H		
DROSS COOLING	1.70 T/H				
		PM	1.2000 LB/H		
			0.7100 LB/T DROSS		
				BAGHOUSE	97.98

(CONTINUED) MARTIN MARIETTA OF KENTUCKY

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... FCT EFF
REVERBS, 3	4.50 T/H	PM	79.2300 LB/H		
		SO2	96.9000 LB/H		

NOTES ----------

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/06/1984

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM 150000.00 LB/H CASTING

COMPANY NAME/SITE LOCATION MARTIN MARIETTA OF KENTUCKY LEWISPORT, KY 42351

HANCOCK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-77-71
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/17/77
ESTIMATED DATE OF START-UP-- 1978

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, MELT & HOLD, 3 EA	50000.00 LB/H				
		PM	79.2300 LB/H 44.3000 T/YR		
MILL, ROLLING					
		PM	1.4700 LB/H 6.4000 T/YR		
PAINTING, 2 LINES				MIST ELIMINATOR	85.00
		VOC	125.9300 LB/H 205.7000 T/YR		
				THERMAL INCINERATOR	90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

ID NUMBER KY-0040

SOURCE TYPE CODE 8.8

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION METAL RESOURCES, INC. LONDON, TN LOUDON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY TENNESSEE APCD (AGENCY) MERVAT AHMED (AGENCY CONTACT PERSON) (615)-741-3651 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/25/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHING, SCREENING, & BALL MIL*	20000.00 LB/H	PM	4.1000 LB/H	FABRIC FILTERS	BACT 99.90
ROTARY FURNACES, 4	17280.00 LB/H	PM	4.6000 LB/H	2 BAGHOUSES	BACT 99.90
		SO2	21.3000 LB/H	#2 F. OIL/0.5% S	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION WILMER PROCESSING DIV. BELOIT, WI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. NAA-04-80-54-030
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1981
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VIBRATING SCREEN					
		PM	1.0000 LB/H		LAER
ROTORY FURNACES					
		PM	1.0000 LB/H		LAER

NOTES ----------
1.0 LB/H BY CONSENT TO AVOID OFFSET & 24 HRS/DAY, 312 DAYS/YR, OR 7488 HRS/Y R FOR FURNACES, VIBRATING SCREEN 16 HRS/DAY, 300 DAYS/YR, OR 4800 HRS/YR, ROTORYFURNACE #1-TESTED AT .31 LB/H

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- GRAY IRON FOUNDARIES 20.00 T/H

COMPANY NAME/SITE LOCATION AMERICAN MANUFACTURING CO. OF TEXAS , TX
TARRANT COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13867
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVISON (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/08/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, INDUCTION, 2 EA	5.00 T/H				
		PM	10.5000 T/YR		BACT
				BAGHOUSE	99.90
		CO	0.1000 T/YR		BACT
		NOX	0.4000 T/YR		BACT

NOTES ----------
PM EMISSION RATE INCLUDES EMISSIONS FROMSAND SYSTEM & SHAKEOUT AREAS WHICH ARE HOODED & CONTROLLED BY BAGHOUSES. THIS IS ALMOS T A COMPLETE REPLACEMENT OF ALL THE OLD EQUIPMENT AT AN EXISTING FOUNDRY. NEW CONTROL EQUIPMENT RESULTED IN A NET DECREASE IN EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION BRILLION IRON WORKS BRILLION, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-08-005
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) EMILIA ESTRADA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/03/81
ESTIMATED DATE OF START-UP--
(608)-266-0244 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WET COLLECTOR EXHAUST	35000.00 CF/M				
		PM	0.0200 GR/SCF	DESIGN SYSTEM	
SAND HANDLING	19050.00 CF/M				
		PM	0.0200 GR/SCF	BAGHOUSE	99.70
POURING AREA EXHAUST	125000.00 CF/M				
		PM	0.0100 LB/MLB GAS	DESIGN SYSTEM	
BONDING ADDING SYS.					
		PM	0.0100 GR/SCF	DESIGN SYSTEM	

NOTES ----------
PERMIT RESTRICTIONS EXEMPT PROJECT FROM PSD REQUIREMENTS UNDER 08/07/80 PSD REGULATIONS, NO BANKING PERMITTED, STOCK TESTS REQUIRED. OPACITY LIMITED TO 20%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GRAY IRON FOUNDARIES 3.00 T/H

COMPANY NAME/SITE LOCATION CYCLONE IRON FOUNDRIES MEMPHIS, TX
HALL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8340
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVISON (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/16/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURNACE	3.00 T/H				
		PM	0.2000 LB/H	BAGFILTER	99.00
SAND STORAGE					
		PM	0.5000 LB/H	BAGFILTER	99.00
SAND SHAKEOUT					
		PM	6.8000 LB/H	WET SCRUBBER	99.00
CASTING CLEANING					
		PM	0.8000 LB/H	BAGFILTER	99.00

NOTES ----------
BACT LIMITS, DETERMINED BY TECHNOLOGY AND ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION DANA CORP. RUSHVILLE, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(70)1489
DETERMINATION MADE BY INDIANA APCD (AGENCY) ANDY SUNDERLAND (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/11/81
ESTIMATED DATE OF START-UP--
(317)-633-0663 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RBC INDUCTION MELTING FURNACES	80000.00 T/YR				
		PM	9.0000 T/YR	NO CONTROLS	
SAND HANDLING	12000.00 T/YR				
		PM	1.0000 T/YR	BAGHOUSE	99.00

NOTES ----------
2000 HRS/YEAR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION FORD MOTOR CO., CASTING DIV. BROOKPARK, OH 44142
5600 HENRY FORD BLVD.

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13-1135
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKE HABIB (AGENCY CONTACT PERSON) (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/06/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYOR, MOLD BASEMENT REFUSE	* 400000.00 LB/H	PM	0.0300 GR/DSCF	FABRIC FILTER	99.50

NOTES ----------
MODIFICATION CONSISTS OF REPLACING BELT CONVEYOR WITH SEVERAL VIBRATING PAN CONVEYORS WHICH WILL BE EXHAUSTED TO FABRIC FILTER BAGHOUSES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION FORD MOTOR CO., CLEVELAND CASTING PLANT BROOKPARK, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 13-1063
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKE HABIB (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/07/83
ESTIMATED DATE OF START-UP-- 1983
(216)-664-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DESULFURIZATION UNIT, GRAY IRON*	96576.00 LB/H GRAY I*	PM	0.0200 GR/DSCF	BAGHOUSE	BACT 99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- GRAY IRON FOUNDARIES 1.30 T/H

COMPANY NAME/SITE LOCATION LULING IRON FOUNDRY
800 MAGNOLIA NORTH
LULING, TX
CALDWELL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-272
DETERMINATION MADE BY EPA REGION VI (AGENCY) BILL TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/11/80
ESTIMATED DATE OF START-UP-- 1979
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURNACE	1.30 T/H	PM	0.2300 LB/H	BAGHOUSE	99.30
		PM	0.1000 LB/H	BAGHOUSE	99.50
		PM	0.0300 LB/H	BAGHOUSE	99.70
		PM	0.0100 LB/H	BAGHOUSE	99.90
		PM	5.7000 LB/H	VENTURI WET SCRUBBER	97.32

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GRAY IRON FOUNDARIES 13.00 T/H

COMPANY NAME/SITE LOCATION LYNCHBURG FOUNDRY ARCHER CREEK, VA
CAMPBELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79VA02
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/03/79
ESTIMATED DATE OF START-UP--
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLAST MACHINES #111 & 112	7.00 T/H TOTAL				
		PM	0.1500 LB/T PROC. WT.		BACT
			1.0500 LB/H		
				BAGHOUSE	99.70
BLAST MACHINES #113 & 114	6.00 T/H TOTAL				
		PM	0.1600 LB/T PROC. WT.		BACT
			0.9600 LB/H		
				BAGHOUSE	99.70
# 115 DOWNDRAFT TABLES & GRIND *	13.00 T/H				
		PM	0.3700 LB/T PROC. WT.		BACT
			4.8100 LB/H		
				BAGHOUSE	99.70

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

COMPANY NAME/SITE LOCATION: UNIVERSAL FOUNDRY CO. OSHKOSH, WI

DETERMINATION OF LAER FOR A NEW SOURCE.
PERMIT NO. [illegible]
DETERMINATION MADE BY: WISCONSIN DNR (AGENCY) DAN SCHRAMM (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/80
ESTIMATED DATE OF START-UP--
(414)-497-4044
(PHONE)

PROCESSING SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible]	PM	0.0350 LB/MLB GAS BAGHOUSE	LAER 99.80
[illegible]		PM	0.0350 LB/MLB GAS BAGHOUSE	LAER 99.80
[illegible]	[illegible] T	PM	0.0350 LB/MLB GAS BAGHOUSE	LAER 99.80
[illegible]		PM	0.0350 LB/MLB GAS BAGHOUSE PULSE JET COLLECTOR	LAER 99.80

NOTES: ----------
1 [illegible] .[illegible] LB/M LB EXHAUST GAS -- OPERATIONS NOT TO EXCEED 16 HRS/DAY, 240 DAYS/YEAR OR 3840 HOU [illegible]

[illegible] DATUM AND TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[illegible] ID NUMBER WI-0013 SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GRAY IRON FOUNDRIES

CONTACT NAME/SITE LOCATION: NORMONT EASTINGS RANDOLPH, VT

DETERMINATION IS BASED FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY: NORMONT ADE (AGENCY) LARRY MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/23/81
ESTIMATED DATE OF START-UP-- 1987
(802)-828-3395
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EXPOSED TYPHOON	10.00 T/H MELT				
		PM	1.0000 LB/H	WET IMPACTION SCRUBBER	99.70
		CO	47.0000 LB/H		
			2000.0000 PPM	INCINERATION	98.70
		SO2		NEGLIGIBLE	
				WET IMPACTION SCRUBBER	
				0.8% SULFUR FUEL	

NOTES: ----------

(A) INDICATED EMITTED AND TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

PAGE 2: ANY

ID NUMBER VT-0001

SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[illegible] GRAY IRON FOUNDRIES

[illegible] WAUPACA FOUNDRY PLANT #2 WAUPACA, WI

[illegible] PROPOSED SOURCE.

[illegible]

[illegible] WISCONSIN DNR (AGENCY) DALE ZIEGE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/20/81
ESTIMATED DATE OF START-UP--
(608)-866-0113
(PHONE)

[illegible]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible] T/H				
		PM	6.4700 LB/H	HIGH ENERGY VENTURI SCRUBBER	98.00
		CO		INCIN AT 1300 F FOR 3 SEC	99.00

[illegible]

[illegible]

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[illegible] ID NUMBER WI-0012 SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[illegible] GRAY IRON FOUNDRIES 300.00 MOLDS/H

[illegible] [illegible] ACF INDUSTRIES , TX

[illegible] DATE OF PERMIT ISSUANCE-- 02/22/80
[illegible] ESTIMATED DATE OF START-UP-- 1980
EPA REGION VI JOHN BURYAK (214)-767-1594
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

[illegible] THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	300.00 MOLDS/H				
		PM	5.0000 LB/H	BAGHOUSE	99.99
[illegible]		PM	0.5000 LB/H	BAGHOUSE	99.99
		PM	0.5500 LB/H EA	BAGHOUSE	99.99

[illegible]

[illegible] INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[illegible] ID NUMBER TX-0078 SOURCE TYPE CODE 8.11

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[redacted] SECONDARY LEAD SMELTING

[redacted] HAMMOND LEAD PROD., MALSTAD DIV HAMMOND, IN

[redacted] HAMMOND APC (AGENCY) BAPIU DANIA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/25/81
ESTIMATED DATE OF START-UP--
(219)-853-6306 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[redacted]	[redacted]	PM	0.2000 LB/H BAGHOUSE	LAER 99.80
[redacted]	[redacted]	PM	0.0500 LB/H BAGHOUSE	LAER 99.80

[redacted]

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[redacted] DESIGNATED DATUM HAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SECONDARY LEAD SMELTING

P.O. CO. SILVER LAKE, IN

DATE OF PERMIT ISSUANCE-- 07/03/81
ESTIMATED DATE OF START-UP--
(317)-633-0663
(PHONE)

INDIANA AQCB
(AGENCY)

ANDY SUNDERLAND
(AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY FURNACE	4629.00 T/HR	PM	5.0000 T/YR	BAGHOUSE	99.50

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

ID NUMBER 18-0016

SOURCE TYPE CODE 8.12

APPENDIX -- DETAILED SOURCE LISTING 05/22/1984

SOURCE TYPE/SIZE---	SECONDARY MAGNESIUM SMELTING	78800.00 T/YR MGO	
COMPANY NAME/SITE LOCATION	ALLIED CHEMICAL CORP. DELAWARE VALLEY WORKS	CLAYMONT, DE	NEW CASTLE COUNTY
DETERMINATION IS BACT FOR A MODIFIED SOURCE. PERMIT NO. [illegible] DETERMINATION MADE BY	EPA REGION III (AGENCY)	BOB BLASZCZAK (AGENCY CONTACT PERSON)	DATE OF PERMIT ISSUANCE-- 11/18/80 ESTIMATED DATE OF START-UP-- 1982 (215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible] LB/H	SO2	.5% S FUEL/SO2 FED H2SO4 PLANT	BACT 100.00

NOTES ---
[illegible] WHEN FEEDING SULFURIC ACID PLANT. SOURCE IS OWNED BY PHILADELPHIA ELEC. CO., BUT OPERATED BY ALLIED CHEMICAL DELAWAR
[illegible] WORKS. SEE LIMIT APPLICABLE WHEN VENTED TO ATMOSPHERE.
MAGNESIUM OXIDE REGENERATION FACILITY INCLUDES PROCESS HEATERS, CALCINER START-UP BURNERS, & CALCINER BURNERS.

INITIAL REVIEW POST STARTUP
(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 260.00 MT/YR

COMPANY NAME/SITE LOCATION ABEX CORP. QUEMAHONING TOWNSHIP, PA

SOMERSET COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. TYPE#2
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/20/79
ESTIMATED DATE OF START-UP-- 1980
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ARC FURNACES	34.50 T/H				
		PM	1.5500 LB/H	STACK, EA -4 UNITS BAGHOUSE	BACT 99.00
SAND HANDLING	7.50 T/H SAND	CO	14.8000 LB/H		BACT
		PM	0.7000 LB/H 3.6200 LB/H	W/O RECLAM. WITH RECLAIM BAGHOUSE	BACT 99.50
CORE BAKING	34.50 T/H				
CORE MAKING	34.50 T/H	PM	0.1300 LB/H		BACT
METAL POURING	34.50 T/H	PM	0.1200 LB/H	BAGHOUSE	BACT 99.00
MOLD OPERATIONS	34.50 T/H	PM	0.2900 LB/H	BAGHOUSE	BACT 99.50
		PM	0.0500 LB/H	BAGHOUSE	BACT 99.50

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[illegible]

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible] T/H				
		PM	0.5600 LB/H		BACT
				BAGHOUSE	99.50
[illegible]	[illegible] T/H				
		PM	1.0200 LB/H		BACT
				BAGHOUSE	99.50
[illegible]	[illegible] T/H				
		PM	0.2900 LB/H		BACT
				BAGHOUSE	99.50
[illegible]	[illegible] T/H				
		PM	0.0500 LB/H		BACT
				BAGHOUSE	99.50

NOTES ----------
[illegible] FROM THE ELECTRIC ARC FURNACE CONTROL DEVICES SHALL NOT EXHIBIT 3% OPACITY OR GREATER. EMISSION POINTS OTHER THAN TH
[illegible] FURNACE CONTROLS SHALL NOT EXHIBIT 10% OPACITY OR GREATER

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SCOR--- STEEL FOUNDARIES 41.00 MT/YR

COMPANY NAME/SITE LOCATION DATETHAT, METALS RECLAMATION CO. ELLWOOD CITY, PA LAWRENCE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. TOPV22
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/02/79
ESTIMATED DATE OF START-UP-- 1978
(215)-597-2711
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PELL SCALE PREPARATION	40.00 T/D	PM	0.8600 LB/H BAGHOUSE	BACT 99.90
[illegible]		PM	0.4100 LB/H BAGHOUSE	BACT 99.90
[illegible]	20.00 T/H	PM	0.0600 LB/H BAGHOUSE	BACT 99.90
[illegible]	8.30 T/H	PM	0.1500 LB/H BAGHOUSE	BACT 99.90
[illegible]	6.00 T/H	PM	6.5000 LB/H SCRUBBER	BACT 97.70
[illegible]	12.30 T/H	PM	2.4000 LB/H SCRUBBER	BACT 93.90

NOTES ----------

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(*) INDICATES DATUM AND TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 8.14

PAGE A- [illegible] ID NUMBER PA-0013

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- STEEL FOUNDRIES 4.00 T

COMPANY NAME/SITE LOCATION R O STEEL CASTING, INC. SAN ANTONIO, TX
BEXAR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18789
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVISON (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/03/78
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTRIC ARC FURNACE	2.00 T/H	PM	3.1000 LB/H 6.4000 T/YR	FABRIC FILTERS	
		NOX	0.6000 LB/H 1.2000 T/YR		

NOTES ---------
THE FURNACE IS LOCATED INSIDE AN ENCLOSED ROOM AND THE ROOM IS VENTED TO THE BAGHOUSE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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ID NUMBER TX-0089
SOURCE TYPE CODE 8.14

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- STEEL FOUNDARIES 60.00 T/H

COMPANY NAME/SITE LOCATION STRUCTURAL METALS, INC. SEGUIN, TX
GUADALUPE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/07/80
PERMIT NO. 8248 ESTIMATED DATE OF START-UP-- 1980
DETERMINATION MADE BY TEXAS ACB WAYNE DAVISON (512)-451-5711
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

FACILITIES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTRIC ARC FURNACES	60.00 T/H				
		PM	17.1000 LB/H 75.0000 T/YR	VENTED TO FABRIC FILTER	
		CO	3.1000 LB/H 13.5000 T/YR		

NOTES ---
EMISSION LIMITS SET BY NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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SOURCE TYPE/SIZE---- STEEL FOUNDARIES 10.00 T

COMPANY NAME/SITE LOCATION TEXAS ELECTRIC STEEL CASTING CO. , TX
HARRIS COUNTY

AUTHORIZATION IS SUBJECT FOR A NEW SOURCE.
PERMIT NO. C-9138
AUTHORIZATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVIDSON (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/28/82
ESTIMATED DATE OF START-UP-- 1983

EMISSION POINTS SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ARC FURNACE	10.00 T/BATCH	PM	2.6000 LB/H	FABRIC FILTER	99.00
		NOX	2.3000 LB/H		

NOTES ----------

(#) INDICATED DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- STORAGE BATTERY PRODUCTION/RECLAMATION 5.60 T/D LEAD CONSUMPTION

COMPANY NAME/SITE LOCATION BUILDING BATTERY TERRELL, TX

KAUFMAN COUNTY

DETERMINATION IS BASED FOR A NEW SOURCE.
PERMIT NO. [illegible]
DETERMINATION MADE BY TEXAS ACR (AGENCY) GARY MCARTHUR (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/08/82
ESTIMATED DATE OF START-UP-- 1981
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GRID CASTING	430.00 BATTERY/D				
		PM	0.1000 T/YR		
		PB	0.0500 T/YR		
PLATE LUG CLEANING	430.00 BATTERY/D				
		PB	0.0240 T/YR		
				BAGHOUSE	95.00
LEAD OXIDE STG. & PLATE PASTING	430.00 BATTERY/D				
		PM	0.0120 T/YR		
				BAGHOUSE	95.00
		PB	0.0060 T/YR		
				BAGHOUSE	95.00
3 PROCESS OPERATION	430.00 BATTERY/D				
		PM	0.1600 T/YR		
				BAGHOUSE	95.00
		PB	0.0000 T/YR		
				BAGHOUSE	95.00
FORMATION	430.00 BATTERY/D				
		NOX*	1.0000 T/YR		
				NONE-FUGITIVE LOSSES	

NOTES ----------

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LEAD EMISSIONS ALLOWABLES BASED ON NSPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- STORAGE BATTERY PRODUCTION/RECLAMATION 500.00 BATTERIES/H

COMPANY NAME/SITE LOCATION HOUSTON SCRAP METAL CO. , TX

HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14569
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVIDSON (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/15/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECYCLING, BATTERY	500.00 BATTERY/H	PB	0.5000 T/YR	WET CYCLONE WET PROCESS & SHROUDS	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- LEAD OXIDE AND PIGMENT PRODUCTION 205.68 MMBTU/H

COMPANY NAME/SITE LOCATION DEGUSSA CHEM CORP. THEODORE, AL
THEODORE INDUSTRIAL PARK MOBILE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AL 072
DETERMINATION MADE BY ALABAMA APCD (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/07/81
ESTIMATED DATE OF START-UP-- 1982
(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEAT BOILER, FUEL OIL, NATURAL *	205.68 MMBTU/H				
		SO2	1.2000 LB/MMBTU	LOW SULFUR FUEL OIL #6 OR #2	BACT
		PM	0.1000 LB/MMBTU	NATURAL GAS & OIL	BACT
		NOX	0.4000 LB/MMBTU	BOILER DESIGN & OPERATION	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- LEAD OXIDE AND PIGMENT PRODUCTION 28957.00 T/YR

COMPANY NAME/SITE LOCATION POWERLAB, INC. , TX
KAUFMAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. R-7644
DETERMINATION MADE BY TEXAS ACB (AGENCY) JIM CARAWAY (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/20/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LITHARGE REACTORS	28957.00 T/YR				
		LEA*	0.7000 T/YR	BAGFILTER, PULSE-JET	99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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SOURCE TYPE/SIZE--- ORE CRUSHING AND GRINDING

COMPANY NAME/SITE LOCATION NATIONAL STEEL PELLET CO. KEEWATIN, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 62-81-I-9
DETERMINATION MADE BY MINNESOTA PCA (AGENCY) JAMES KOLAR (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/08/81
ESTIMATED DATE OF START-UP-- 1982
(612)-296-7274 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PELLET CONCENTRATOR MILL LINES,*		PM	3.3000 T/YR VENTURI ROD SCRUBBER	BACT 98.00

NOTES ----------
VENTURI ROD SCRUBBERS ARE VERY EFFICIENT IN CONTROLLING MOISTURE LADEN MICRON SIZE PARTICULATE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION AIRCO CARBON NIAGARA FALLS, NY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION II (AGENCY) BARRY TORNICK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/30/82
ESTIMATED DATE OF START-UP-- 1984
(212)-264-9579 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CARBOTTOM BAKE/REBAKE ELECTRODE*					
		CO	0.0400 LB/H	THERMAL INCINERATOR	BACT 99.90
GRAPHITE KILN					
		CO		INT. RESIST. GRAPHITIZING PROC.	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 300.00 LB/H

COMPANY NAME/SITE LOCATION ATLAS MINERALS MOAB, UT
GRAND COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. MAJ 110382-2T
DETERMINATION MADE BY UTAH BAQ (AGENCY) DON ROBINSON (AGENCY CONTACT PERSON) (801)-533-6108 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/03/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
V205 FUSION FURNACE	300.00 LB/H				
		PM	0.0200 GR/DSCF		
				PACKED BED SCRUBBER	99.00
		SO2			
				PACKED BED SCRUBBER	99.00
				CARTRIDGE MIST ELIMINATOR, CAUSTIC SCRUBBING S*	

NOTES ----------
THIS SYSTEM WAS INSTALLED TO REDUCE OPACITY OF EMISSIONS TO BELOW 20% ON AN EXISTING SOURCE WHICH WAS IN THE 30% TO 40% OPACIT
Y RANGE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION CUYAHOGA SMELTING & PROCESSING CO., INC. CLEVELAND, OH 44109

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-931
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKRAM HABIB (AGENCY CONTACT PERSON) (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DROSS CHARGING & WASHING	4.00 T/H				
		PM	0.0320 GR/DSCF		
				BAGHOUSE	98.00
				SPECIAL DESIGNED CHARGING	
		PM	0.0320 GR/DSCF		
			0.7700 LB/DT		
				BAGHOUSE	98.00
DRYING	2.25 T/H				
		PM	0.6800 T/YR		

NOTES ----------
THE PERMANENT CHARGING HOPPER AND THE PORTABLE 2-CUBIC YARD BOXES WERE ESPECIALLY DESIGNED SO THAT THE BOX FITS OVER THE OPENI NG OF THE HOPPER PROVIDING AIR-LOCK DROSS CHARGING TO ELIMINATE THE FUGITIVE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION DAYTON WALTHER CORP. CARROLTON, KY
CARROLL COUNTY

DETERMINATION IS BACT
PERMIT NO. C-82-24
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/26/82
ESTIMATED DATE OF START-UP-- 1982
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRE-HEATER-NG, 2 FURNACES	12.00 T/H				
		PM	20.0000 LB/H 36.0000 T/YR	FABRIC FILTER	98.00
SAND HANDLING	124.00 T/H				
		PM	6.8800 LB/H 12.4000 T/YR	FABRIC FILTER	
BARRAL BLAST	10.00 T/H				
		PM	12.7800 LB/H 23.0000 T/YR	FABRIC FILTER	98.00
RETURN SAND SYSTEM	26.30 T/H				
		PM	1.4600 LB/H 2.6200 T/YR	WET SCRUBBER	98.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION FUSION INC. , TX
HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X-3715
DETERMINATION MADE BY TEXAS ACB (AGENCY) WAYNE DAVIDSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/01/82
ESTIMATED DATE OF START-UP-- 1982
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HARD CHROME PLATING	136.00 SQF SURFACE*	CRO3	0.5000 LB/H	PACKED TOWER SCRUBBER	90.00

NOTES ----------
SIC NUMBER 3471

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION LAKE SIDE SLAG CHICAGO, IL COOK COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. C80 05 049
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/01/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMARY & SECONDARY CRUSHERS & *		PM	SPRAY BARS, MANUAL, & AUTO CONTRL	LAER
HAUL ROAD		PM	PAVED & SWEPT WEEKLY	LAER
PLANT ROADS		PM	OILED WEEKLY	LAER
STOCKPILES		PM	DETERGENT SPRAYS	LAER

NOTES ----------
LAER ESTABLISHED FOR TEMPORARY PLANT. TOTAL LIFE TWO-YEAR FROM START-UP.

PLANT NOW CLOSED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION LEVIN FIXTURE CORP. , TX HIDALGO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X-4027
DETERMINATION MADE BY TEXAS ACB (AGENCY) ROBERT MAUEL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/21/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CHROME PLATING TANK		ACI*	0.0152 LB/H	SCRUBBER & DEMISTER	96.00
NICKEL PLATING TANK		ACI*		NEGLIGIBLE	
ACID CLEANING TANK		H2S*	0.8100 LB/H		
BOILER		NOX	1.8400 LB/H		
		PM	0.1200 LB/H		
		CO	0.1400 LB/H		
OVEN		PRO*		NEGLIGIBLE	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 156600.00 LB/MONTH

COMPANY NAME/SITE LOCATION SMITH INTERNATIONAL, INC. EL DORADO VALLEY, NV
CLARK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY CLARK COUNTY (AGENCY) MIKE NAYLOR (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/24/82
ESTIMATED DATE OF START-UP-- 1983
(702)-383-1276 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ATTRITION MILLS, 6 EA	26100.00 LB/MONTH	HEP*	40.0000 T/YR	CHILLER & SCRUBBER SYS	BACT 95.00

NOTES ----------
HEPTANE IS THE LIQUID MEDIUM USED IN THE ATTRITION MILL

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(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 36000.00 T/YR

COMPANY NAME/SITE LOCATION SUPERIOR GRAPHITE
P.O. BOX 535
HOPKINSVILLE, KY 42240
CHRISTIAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-79-72
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON) (502)-564-3382 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/05/79
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GRAPHITE FURNACE, 2	11600.00 LB/H SEE NO*				
		SO2	11.4000 LB/H 47.9000 T/YR		BACT
				DOUBLE ALKALI SCRUBBER	90.20
		PM	5.6000 LB/H 23.4000 T/YR		BACT
				MULTICLONE	98.00
MATERIAL, PRODUCT LOADING					
		PM	8.4400 LB/H 35.4700 T/YR		
				EXISTING BAGHOUSE	99.50
COKE HANDLING					
		PM	5.4000 LB/H 16.8000 T/YR		
PRODUCT HANDLING					

NOTES ----------
NOTE #1 - AMENDED TO 8000. LB/H COMBINED ON 3/11/81.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION TRINITY INDUSTRIES INC FORT WORTH, TX TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8524
DETERMINATION MADE BY TEXAS ACB (AGENCY) ART KELLOGG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/24/81
ESTIMATED DATE OF START-UP-- 1980
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAIL CAR SHOT BLASTING	25000.00 CF/M	PM	0.0100 GR/ACF VENTURI SCRUB W/CYC PRECLEANER	98.00

NOTES ----------
EMISSION LIMITS ARE BACT, DETERMINED BY TECHNOLOGY & ECONOMICS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION WISCONSIN CENTRIFUGAL WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-68-194
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) DAVE SEITZ (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(608)-267-7545 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURN., 6, MELT. FURN.	650.00 LB/H EA	PM	1.3000 LB/T 0.0060 GR/DSCF	BAGHOUSE	LAER 97.00
INDUCTION FURN., 3, HOLD. FURN.	650.00 LB/H EA	PM	1.3000 LB/T 0.0060 GR/DSCF	BAGHOUSE	LAER 97.00
CASTING MACHINE	5795.00 LB/H	PM	0.0060 GR/DSCF	BAGHOUSE	LAER 97.00

NOTES ----------
EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAXIMUM CONTROLLED EMISSION OF TABLE 7.9-1 OF AP-42 FOR CAS TING MACHINES ASSUMED 0.3 LB/TON & 97% CONTROL FROM TABLE 7.9-2 OF AP-42
MELT. FURNACES ARE WIRED IN PAIRS AND ONLY 3 CAN OPERATE AT ONE TIME.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 3.00 T/H

COMPANY NAME/SITE LOCATION WISCONSIN CENTRIFUGAL INC. WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-68-136
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) DAVE SEITZ (AGENCY CONTACT PERSON) (608)-267-7545 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURNACES, 2	1.50 T/H EA				
		PM	1.3000 LB/T		AP42
				BAGHOUSE	97.00
VERTICAL CASTING MACHINES, 2	425.00 LB/H EA				
		PM	0.0020 LB/H		
				BAGHOUSE	97.00

NOTES ----------
EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAX. CONTROLLED EMISSION FACTOR OF TABLE 7.9-1. EMISSION FACTOR FOR CASTING ASSUMED = 0.3 LB/T FROM FUGITIVE EST. IN TABLE 7.9-2 OF AP-42.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES 6900.00 LB/H

COMPANY NAME/SITE LOCATION WISCONSIN CENTRIFUGAL INC. WAUKESHA, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-68-136
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) DAVE SEITZ (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(608)-267-7545 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INDUCTION FURNACES, 2	1.50 T/H EA	PM	1.3000 LB/T	BAGHOUSE	AP42 97.00
VERTICAL CASTING MACHINES, 2	425.00 LB/H EA	PM	0.0020 LB/H	BAGHOUSE	LAER 97.00

NOTES ----------
EMISSION OFFSETS WERE REQUIRED. EMISSION RATE OF FURNACES BASED ON MAX. CONTROLLED EMISSION OF TABLE 7.9-1 OF AP-42. CASTING MACHINES ASSUMED 0.3 LB/T & 97% CONTROL FROM TABLE 7.9-2 OF AP-42.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION WISCONSIN CENTRIFUGAL, INC.
905 E. ST. PAUL AVE. WAUKESHA, WI 53187

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-12-DFS-82-68-194
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) DAVE SEITZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/24/83
ESTIMATED DATE OF START-UP--
(608)-267-7545 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STACK #58 --- SEE NOTE	4189.00 T/YR				
		PM	2.5700 LB/H		
			0.0060 GR/DSCF		
				BAGHOUSE	
		VE	20.0000 % OPACITY		99.90

NOTES ----------
PART OF REMOD. OF FOUNDRY OREPATIONS. PLANT WITHIN PRIMARY PM NONATTAINMENT AREA, IS BEING RECLASSIFED TO SECONDARY NONATTAINM
ENT.
NOTE --- STACK #58 INCLUDES 3 PAIRS 650# INDUCTION FURANCES, 3 1000# HOLDING FURNACES, 2 LUNGER CASTING MACHINES, 1 HORIZONTAL CASTING MACHINE, 8 16" VERTICAL CASTING MACHINES, 1 VERTICAL CASTING MACHINE, 1 PLATE CASTING MACHINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION ALBANY — ALBANY, WI
CEDAR RAPIDS MOD.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MAA-03-80-23-070
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) — BRIAN GALLEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/01/80
ESTIMATED DATE OF START-UP--
(608)-266-9418 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX		PM	0.0400 GR/DSCF	BAGHOUSE	99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 220.00 T/H

COMPANY NAME/SITE LOCATION ASPHALT PRODUCTS CORP. SOCASTEE, SC
HORRY COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. PSD-SC-030
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) DAVID FLEMING (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/14/80
ESTIMATED DATE OF START-UP--
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT PLANT	220.00 T/H				
		PM	53.0000 LB/H		BACT
				BAGHOUSE	99.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/02/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 250.00 T/H MAX

COMPANY NAME/SITE LOCATION BERKS PRODUCTS CORP. READING, PA
BERKS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA16
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/12/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT PLANT	250.00 T/H	PM	6.0100 LB/H 0.0400 GR/DSCF	BAGHOUSE	BACT 99.89

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION B.C.R. PAVING CO. SOUTHPOINT, OH LAWRENCE COUNTY

DETERMINATION IS
PERMIT NO. 07-106
DETERMINATION MADE BY PORTSMOUTH LAA (AGENCY) FRANK PHILLIPS (AGENCY CONTACT PERSON) (614)-353-5153 (PHONE)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT DRUM DRYER	150.00 T/H				
		PM	0.0400 GR/DSCFM	FABRIC FILTER	NSPS 99.90
		VE	20.0000 % OPACITY		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/13/1984

ID NUMBER OH-0050

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 347.00 T/H

COMPANY NAME/SITE LOCATION B.R. AMON & SONS, INC. ELKHORN, WI
JUMEAU COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-05-80-65-022
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) MIKE DEBROCK (AGENCY CONTACT PERSON) (715)-362-7616 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/23/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX PLANT	347.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE, 504 BAGS	99.90

NOTES ----------
NATURAL GAS OR #2 OIL ONLY FUELS ALLOWED UNDER PERMIT, 347 TPH MAX THROUGHPUTTESTED 09/02/80 AT .0065GR/DSCF, A RANGE OF TESTS
.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 120.00 T/H

COMPANY NAME/SITE LOCATION E.E. MOORE PAVING, INC. NITRO, WV PUTNAM COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79WV02
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/06/79
ESTIMATED DATE OF START-UP--
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOT MIX ASPHALT PLANT	120.00 T/H	PM	0.0320 GR/DSCF 5.8000 LB/H	BAGHOUSE	NSPS 99.90

NOTES ----------
EMISSION LIMIT LESS THAN 20% OPACITY

STACK TESTS PERFORMED ON PLANT 06/80. RESULTS - 0.0194 GR/SCF , 3.5 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER WV-0010

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT PATCHING PLANTS 300.00 T/H

COMPANY NAME/SITE LOCATION E.J. BRENEMAN INC. SPRING TOWNSHIP, PA
BERKS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79PA08
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/16/79
ESTIMATED DATE OF START-UP--
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT PLANT	300.00 T/H	PM	0.0100 GR/DSCF 2.6000 LB/H	BAGHOUSE	BACT 99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 200.00 T/H

COMPANY NAME/SITE LOCATION FRANCIS O. DAY CO., INC. ROCKVILLE, MD MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78MD10
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/14/79
ESTIMATED DATE OF START-UP--
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT PLANT	200.00 T/H	PM	0.0300 GR/DSCF 8.7000 LB/H	BAGHOUSE	BACT 99.90

NOTES ----------
SOURCE IS NOT PSD UNDER NEW DEFINITION.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 400.00 T/H

COMPANY NAME/SITE LOCATION GENNARO ASPHALT CO.,INC WARREN, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PTI 02-793
DETERMINATION MADE BY OHIO EPA NED (AGENCY) TED DAVIS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/08/81
ESTIMATED DATE OF START-UP-- 1981
(216)-425-9171 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT CONCRETE PLANT	400.00 T/H	PM	0.0400 GR/DSCF	FABRIC FILTER	NSPS 99.60

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 414.00 T/H 5% H2O

COMPANY NAME/SITE LOCATION HIGHWAY PAVERS, INC. MILWAUKEE, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-41-039
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) LARRY NIGHTINGALE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/06/80
ESTIMATED DATE OF START-UP--
(414)-257-4411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIX PLANT		PM	0.0400 GR/DSCF	BAGHOUSE	99.90
		SO2		#2 OIL - .5% S BY WT.	

NOTES ----------
FUEL OIL #2 LIMITED TO .5% BY WEIGHT, 1.1 MMGAL/YEAR. STACK TESTS REQUIRED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER WI-0017

SOURCE TYPE CODE 9.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION INDIANHEAD BLACKTOP INC — CAMERON, WI 54822
POPLAR AVE

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) MIA-10-KAM-82-03-072
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) — KRIS MCKINNEY (AGENCY CONTACT PERSON) — (608)-267-7542 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/14/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX	155.00 T/H				
		PM	5.4000 T/YR	SCRUBBER	NSPS 99.50
		SO2	110.2100 T/YR		
		NOX	5.5800 T/YR		
		VOC	27.9000 T/YR		
		CO	5.5800 T/YR		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION IVERSION CONSTRUCTION CO., PLATTEVILLE PLATTEVILLE, WI
WANTLAND QUARRY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-22-044
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) BRIAN GALLEY (AGENCY CONTACT PERSON) (608)-267-9418 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/12/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIX PLANT		PM	0.0400 GR/DSCF		
FUGITIVE DUST		PM	NR154.11(2)		

NOTES ----------
TEST REQUIRED, TESTED 06/23/81 AT .023 GR/DSCF, AVERAGE OF 5 RUNS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 250.00 T/H

COMPANY NAME/SITE LOCATION J.F. CLECKLEY & CO. DORCHESTER, SC

DORCHESTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-SC-029
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) DAVID FLEMING (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/21/80
ESTIMATED DATE OF START-UP--
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT	250.00 T/H				
		PM	42.0000 T/YR	BAGHOUSE	BACT 99.50
		SO2	110.0000 T/YR	NONE	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/02/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION J.H. RUDOLPH & CO., INC. TROY, IN

DETERMINATION IS
PERMIT NO. EPA-5-A-80-13
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/11/80
ESTIMATED DATE OF START-UP--
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCH PLANT		PM	0.0400 GR/DSCF	BAGHOUSE	99.90
		SO2		0.5% S FUEL, MAX	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 230.00 T/H

COMPANY NAME/SITE LOCATION KEOWN SUPPLY CO. CONROE, TX
MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8781
DETERMINATION MADE BY TEXAS ACB (AGENCY) ROBERT MAUEL (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/18/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIXER	230.00 T/H				
		PM	9.0000 LB/H	VENTURI SCRUBBER	98.00
		SO2	8.0000 LB/H		

NOTES ----------
PLANT SUBJECT TO NSPS FOR ASPHALT CONCRETE PLANTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION KOKOSING MATERIALS, INC MORRIS TWP., OH
KNOX COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0342000022P001
DETERMINATION MADE BY OHIO EPA CO (AGENCY) JAY MCCOY (AGENCY CONTACT PERSON) (614)-864-3195 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/05/82
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT CONCRETE PLANT	540000.00 LB/H	PM	0.0400 GR/DSCF VENTURI SCRUBBER	NSPS
		VOC		

NOTES ----------
PERMIT REQUIRES COMPLIANCE WITH NSPS AND REPORTING AS TO 1) CONSTRUCTION DATE, 2) ANTICIPATED STARTUP DATE, 3) ACTUAL STARTUP DATE, AND 4) DATE OF PERFORMANCE TESTING, TOGETHER WITH A REPORT OF THE RESULTS OF SUCH TESTING.
REQUIREMENTS MET, PTO ISSUED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 130.00 T/YR HOT MIX

COMPANY NAME/SITE LOCATION L.A. REYNOLDS MAYSVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-053
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-6126 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/16/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY DRYER		PM	25.2000 T/YR	CYCLONE-VENTURI SCRUBBER LIMIT HR 2400.	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 495.00 T/YR

COMPANY NAME/SITE LOCATION MATHY CONSTRUCTION CO. TREMPEALEAN TOWNSHIP, WI
HIWAY 93

DETERMINATION IS
PERMIT NO. MIA-CWB(DLJ)-81-62-*
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) DAN JOHNSTON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/19/82
ESTIMATED DATE OF START-UP-- 1982
(605)-267-9500 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT PLANT	495.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE	NSPS 99.80

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION MATHY CONSTRUCTION CO. PLANT #14 FINLEY, WI
JUNPEAU COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MAA-03-80-42-069
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) JOE ANCEL (AGENCY CONTACT PERSON) (715)-423-5670 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/01/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIX PLANT		PM	0.0400 GR/DSCF	VENTURI SCRUB, CYC SEP., DEMISTER	99.00

NOTES ----------
HAVING DIFFICULTIES MEETING EMISSION LIMIT. OPERATE AT 18 FT TO 23 FT WATER GUAGE PRESSURE DROP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 40.00 T/H

COMPANY NAME/SITE LOCATION MILLCREEK TOWNSHIP MILLCREEK TOWNSHIP, PA
ERIE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA05
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON) (215)-597-8186 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/14/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM MIX ASPHALT PLANT	40.00 T/H				
		PM	0.0400 GR/DSCF		BACT
			20.0000 % CAPACITY MAX		
				WET VENTURI	99.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 200000.00 T/YR

COMPANY NAME/SITE LOCATION MILLER ASPHALT PRODUCTS, INC. FINKSBURG, MD
CARROLL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79MD01
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/16/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT	200100.00 T/YR				
		PM	0.0300 GR/DSCF		BACT
			6.8000 LB/H		
				BAGHOUSE	99.60

NOTES ----------
SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS . 366.00 T/H

COMPANY NAME/SITE LOCATION MORGANTOWN ASPHALT CO. MORGANTOWN, WV MONOGALIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79WV05
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/25/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCH PLANT	366.00 T/H	PM	0.0400 GR/DSCF 13.6300 LB/H	CYCLONE, BAGHOUSE	BACT 99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 240.00 T/H

COMPANY NAME/SITE LOCATION M.A. LAYMAN & SONS HARRISONBURG, VA
ROCKINGHAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79VA06
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) PAUL PITTS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/16/79
ESTIMATED DATE OF START-UP-- 1979
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOT MIX ASPHALT PLANT	240.00 T/YR				
		PM	0.0400 GR/DSCF 7.3000 LB/H	WET VENTURI	BACT 99.90
		SO2	2.0000 % S FUEL BY WT		BACT

NOTES ----------
YEARLY OUTPUT LIMITED TO 200,000 TONS PER YEAR OF ASPHALT. PARTICULATE EMISSIONS LIMITED TO LESS THAN 20% OPACITY.

PERMIT RESCINDED 3/23/81. REGISTRATION # 20038.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 400.00 T/H

COMPANY NAME/SITE LOCATION PAYNE & DOLAN INC. , WI
FOND DU LAC COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) MIA-IRS-82-20-070
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) IMELDA STAMM (AGENCY CONTACT PERSON) (608)-266-6876 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/07/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX	400.00 T/H				
		PM	48.3600 T/YR	BAGHOUSE	NSPS 99.99
		SO2	90.2200 T/YR		
		CO	14.1700 T/YR		
		NOX	170.3000 T/YR		
		VOC	2.8300 T/YR		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/H

COMPANY NAME/SITE LOCATION PAYNE & DOLAN INC., WAUKESHA SPRINGFIELD, WI
DANE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-20-049
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) BRIAN GALLEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/12/80
ESTIMATED DATE OF START-UP--
(608)-267-9418 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIX PLANT					
		PM	0.0400 GR/DSCF	BAGHOUSE	99.90
FUGITIVE DUST					
		PM			
		SO2	0.5000	LOW SULFUR OIL, 0.50% S	

NOTES ----------
STACK TEST REQUIRED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION REIN, SCHULTZ, & DAHL , WI
LAFAYETTE COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) MIA-10-DLJ-82-33-153
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) DAN JOHNSTON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/03/82
ESTIMATED DATE OF START-UP--
(608)-267-9500 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX	250.00 T/H				
		PM	18.5600 T/YR		
			0.0500 T/YR ACTUAL		
				BAGHOUSE, REVERSE AIR	99.90
		PM	0.0400 GR/DSCF		
		SOX	83.1000 T/YR		
			0.8000 T/YR ACTUAL		
		VE	20.0000 % OPACITY		
		CO	41.6000 T/YR		
			0.4000 T/YR ACTUAL		
		VOC	219.0000 T/YR		
			2.0000 T/YR ACTUAL		
		NOX	39.0000 T/YR		
			0.4000 T/YR ACTUAL		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 300.00 T/YR HOT MIX

COMPANY NAME/SITE LOCATION RGK INDUSTRIES FAYETTEVILLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-062
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-6126 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/29/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT	300.00 T/YR	PM	36.0000 T/YR	CYCLONE + WET SCRUBBER	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 400.00 T/H

COMPANY NAME/SITE LOCATION ROCKROAD OF WISCONSIN
HIGHWAY 14 & 140 , WI
ROCK COUNTY

DETERMINATION IS NSPS FOR A NEW SOURCE.
PERMIT NO. MIA-10-KJC-82-54-130
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) KATHY CARTWRIGHT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/15/82
ESTIMATED DATE OF START-UP--
(608)-266-0244 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT MIX	400.00 T/H				
		PM	8.9000 T/YR		
			0.4000 GR/DSCF		
				VENTURI SCRUBBER	
		PM	20.0000 % OPACITY		
		SOX	12.6000 T/YR		
		NOX	8.4000 T/YR		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 210.00 T/H

COMPANY NAME/SITE LOCATION RODNEY RASMUSSEN CO. SALINA, UT 84654
45 SOUTH 2ND WEST SEVIER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VIII (AGENCY) JOHN DALE (AGENCY CONTACT PERSON) (303)-837-3763 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/04/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT PLANT	210.00 T/H				
		PM	0.0400 GR/DSCF	VENTURI	BACT 99.70
		VE	20.0000 % OPACITY		

NOTES ----------
PORTABLE ASPHALT PLANT, CONTINOUS DRUM MIX.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 150.00 T/H

COMPANY NAME/SITE LOCATION STEELSTONE HOULTON, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY MAINE DEP (AGENCY) ROBERT BALLEW (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/23/82
ESTIMATED DATE OF START-UP-- 1983
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCHING	150.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE	NSPS
		SO2		NO. 2 FUEL OIL	
AGGREGATE HANDLING & ROADS		PM		WATER SPRAY AS NEEDED	
ROADS		PM		PAVE / SURFACTANT / WATER	

NOTES ----------
LIMITED TO ALLOWED OF 10 LB/H, 100 LB/D, 5 T/YR TO AVOID MODELING. LIMITED TO 1913 TONS ASPHALT CONCRETE PER DAY & 191326 T/YR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION STEELSTONE INDUSTRIES, INC. P.O. BOX 280 HOULTON MAINE — CHARLOTTE, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2174
DETERMINATION MADE BY MAINE DEP (AGENCY) — ROBERT BALLEW (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/08/83
ESTIMATED DATE OF START-UP-- 1983
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, DRUM ASPHALT MIX	210.00 T/H				
		PM	0.0400 GR/DSCF		BACT
			100.0000 LB/D		
				VENTURI SCRUBBER	99.70
		VE	20.0000 % OPACITY		
		SO2			BACT
				NO. 2 FUEL	
MATERIAL HANDLING, AGGIEGATE					
		PM			BACT
				WATER SPRAY	
PADS					
		PM			BACT
				WATER/SURFACTANT	

NOTES ----------
LIMITED TO 100 LB/D, 5 T/YR TO AVOID MODELING. LIMITED TO 100 T/H, 1912 T/D, 191200 T/YR ASPHALT CONCRETE PRODUCTION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 100.00 T/H

COMPANY NAME/SITE LOCATION STORY ASPHALT-PAVING LANETT, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. AL-076
DETERMINATION MADE BY ALABAMA APCD (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON) (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/10/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCH 1	100.00 T/H	PM	0.0400 GR/DSCF	MULTICYCLONE & WET SCRUBBER	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 250.00 T/H

COMPANY NAME/SITE LOCATION SUPERIOR SAND & ASPHALT CO. MORGANTOWN, WV
MONONGALIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78WV01
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/02/79
ESTIMATED DATE OF START-UP-- 1979
(215)-597-2711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT PLANT	250.00 T/H				
		PM	0.0400 GR/DSCF 11.0000 LB/H		BACT
				BAGHOUSE	99.70

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 158.00 T/H

COMPANY NAME/SITE LOCATION SYKESVILLE CONSTRUCTION CO., INC. BALTIMORE, MD
CARROLL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78MD02
DETERMINATION MADE BY EPA REGION III (AGENCY) EDWARD VOLLBERG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/03/79
ESTIMATED DATE OF START-UP-- 1979
(215)-597-8309 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT	158.00 T/H	PM	7.3000 LB/H 0.0300 GR/DSCF	BAGHOUSE	BACT 99.97

NOTES ----------
SOURCE IS NOT PSD UNDER NEW DEFINITION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 400.00 T/H

COMPANY NAME/SITE LOCATION THE HORVITZ CO.
900 CLARK AVENUE
CLEVELAND, OH 44113

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-945
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKRAM HABIB (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1982
(216)-664-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOT ASPHALT CONCRETE DRUM MIX W*	400.00 T/H	PM	0.0400 GR/DSCF	VENTURI SCRUBBER	BACT 85.00
HOT ASPHALT CONCRETE DRUM MIX W*	300.00 T/H	VE	20.0000 % OPACITY		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: TRI-STATE ASPHALT CORP. WARREN TWP, OH
WASHINGTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 06-669
DETERMINATION MADE BY: OHIO EPA SED (AGENCY); FRED KLINGELHAFER (AGENCY CONTACT PERSON); DATE OF PERMIT ISSUANCE--; ESTIMATED DATE OF START-UP--; (614)-385-8501 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BARBER-GREENE DM-66 ASPHALT BAT*	410.00 T/H				
		PM	0.0400 GR/DSCF	BAGHOUSE	99.90
		VOC			
		SO2		< 0.3 % S OIL BY WT.	

NOTES ----------
PERMIT REQUIRES SOURCE TO REPORT ON 1) DATE OF CONSTRUCTION STARTUP, 2) DATE OF COMPLETION OF CONSTRUCTION, 3) STARTUP DATE, AND 4) DATE OF PERFORMANCE TESTING, AND REQUIRES COMPLIANCE WITH NSPS REQUIREMENTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 185.00 T/H

COMPANY NAME/SITE LOCATION WINDSOR SERVICES, INC. N. LEBANON TOWNSHIP, PA
LEBANON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA06
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/07/79
ESTIMATED DATE OF START-UP-- 1979
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT	185.00 T/H				
		PM	6.1300 LB/H	CYCLONE, BAGHOUSE	BACT 99.90

NOTES ----------
PERMIT RESCINDED 1/14/82.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- ASPHALT BATCHING PLANTS 110.00 T/H

COMPANY NAME/SITE LOCATION ZARLENGO BROS., INC.
NORTH BEAVER TOWNSHIP HILLSVILLE, PA
LAWRENCE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79PA25
DETERMINATION MADE BY EPA REGION III (AGENCY) DAVID ARNOLD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/21/80
ESTIMATED DATE OF START-UP-- 1979
(215)-597-7936 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT BATCH PLANT	110.00 T/H	PM	0.0390 GR/DSCF 4.5000 LB/H	MULTICYCLONE, BAGHOUSE	BACT 99.90

NOTES ----------
RELOCATION FROM EXISTING SITE

PERMIT RESCINDED 11/30/81.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION D. M. STEWARD CO. CHATTANOOGA, TN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 23-C,24-C,25-C
DETERMINATION MADE BY CHATTANOOGA APCB (AGENCY) JAMES FRENCH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/82
ESTIMATED DATE OF START-UP-- 1982
(615)-867-4321 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
#1 SILO BIN VENT	19200.00 LB/H	PM	9.6000 LB/H	BAGHOUSE	BACT 99.50
#2 SILO BIN VENT	19200.00 LB/H	PM	9.6000 LB/H	BAGHOUSE	BACT 99.50
#3 SILO BIN VENT	9700.00 LB/H	PM	4.9000 LB/H	BAGHOUSE	BACT 99.50

NOTES ----------
PERMIT 23-C REFERS TO #1 SILO, 24-C REFERS TO #2 SILO, AND 25-C REFERS TO #3 SILO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS 281000.00 T/YR

COMPANY NAME/SITE LOCATION GEORGIA KAOLIN CO. DRY BRANCH, GA

DETERMINATION IS BACT
PERMIT NO. (REGION FILE NO.) PSD-GA-073
DETERMINATION MADE BY GEORGIA DNR (AGENCY) BILL MITCHELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/18/81
ESTIMATED DATE OF START-UP--
(404)-656-6900 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BAUER MILLS	1.50 T/H	PM	0.0200 GR/DSCF	BAGHOUSE	BACT 99.00
SPRAY DRYER	34.00 T/H	PM	0.0200 GR/DSCF	BAGHOUSE	BACT 99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS 130.00 T/D

COMPANY NAME/SITE LOCATION INTERNATIONAL AMERICAN CERAMICS, INC. , OK

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. T81-14
DETERMINATION MADE BY TULSA CITY-COUNTY HEALTH DEPT (AGENCY) BILL GIBBONS (AGENCY CONTACT PERSON) (918)-744-1000 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/06/81
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW MATERIALS PREP	152.00 T/D				
		PM	4.6000 LB/H	DRY/WET COLLECTORS	BACT 90.00
SPRAY DRYER	130.00 T/D				
		PM	4.6000 LB/H	DRY/WET COLLECTORS	BACT 99.00
BISQUE DRYER	130.00 T/D				
		PM	0.6500 LB/H	DRY/WET COLLECTORS	BACT 99.00
TILE KILNS	130.00 T/D				
		PM	0.6500 LB/H	DRY/WET COLLECTORS	BACT 99.00
DRYER/KILNS					
		NOX	40.8000 T/YR		

NOTES ----------
CONTROL EFFICIENCIES BASED ON SIMILAR EQUIPMENT TESTING AT A SIMILAR FACILITY (OUT OF COUNTY). MINUTE QUANTITIES OF FLUORIDES, BERYLIUM, ESTIMATED WITH CONTROL EQUIPMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS 50.00 T/H

COMPANY NAME/SITE LOCATION JOHNS BRICK & TILE CORP. , TX WILSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9042
DETERMINATION MADE BY TEXAS ACB (AGENCY) ROBERT MAUEL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/21/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TUNNEL KILN STACK	23.34 MMBTU/H	PM	0.5000 LB/H	NAT GAS/#2 FUEL OIL(<0.1% S) FIRED	
		VOC	0.2000 LB/H		
		NOX	6.0000 LB/H		
		SO2	3.0000 LB/H		
		CO	1.0000 LB/H		
GRINDING SYSTEM	50.00 T/H	PM	2.5000 LB/H	BAGHOUSE, VENTURI JET CLEANING	99.70

NOTES ----------
CLAY WAS ANALYZED FOR FLOURIDES. NONE DETECTED WITH 0.015% LIMIT OF DETECTION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION KAISER REFRACTORIES NATIVIDAD FACILITY , CA
MONTEREY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) NCC 80-01
DETERMINATION MADE BY EPA REGION IX (AGENCY) BOB BAKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/30/81
ESTIMATED DATE OF START-UP--
(415)-974-8220 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DOLORNILE KILNS #1	75.00 T/D				
		NOX	79.7000 LB/H	STANDARD PETROL COKE BURN.	
		SO2	41.9000 LB/H	BAGHOUSE SO2 ASOB. BY CALCINED DOLANITE	
DOLORNILE KILNS #2	75.00 T/D				
		NOX	79.7000 LB/H	STD PETROL COKE BURNERS	
		SO2	41.9000 LB/H	BAGHOUSE SO2 ASOB. BY CALCINED DOLANITE	
DOLORNILE KILNS, #3	110.00 T/D				
		NOX	192.0000 LB/H	STD PETROL COKE BURNERS	
		SO2	61.1000 LB/H	BAGHOUSE SO2 ASOB. BY CALCINED DOLANITE	

NOTES ----------
BACT DETERMINATION: SO2 - ECONOMICS & TECHNOLOGY. NOX - TECHNOLOGY. KILN MODIFICATIONS: TO BURN COKE, OIL, AND/OR NAT. GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	04/04/1984

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	04/04/1984

ID NUMBER CA-0025

SOURCE TYPE CODE 9.2

SOURCE TYPE/SIZE--- BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION MILCHEM GLENWOOD, AR
MONYGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-AR-144
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/07/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY DRYER					
		PM	4.2000 LB/H	BAGHOUSE	BACT 90.00
HANDLING/STORAGE					
		PM	1.0000 LB/H	BAGHOUSE	BACT 90.00
RAILCAR LOADOUT					
		PM	1.0000 LB/H	BAGHOUSE	BACT 90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- REFRACTORIES

COMPANY NAME/SITE LOCATION JOHN MANSVILLE SALES CORP NACOGDOCHES, TX
NACOGDOCHES COUNTY

DETERMINATION IS BACT
PERMIT NO. PSD-TX-263
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/22/80
ESTIMATED DATE OF START-UP-- 1981
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FIBER PROD. UNIT		PM	3.5300 LB/H	WET SCRUB/ZIG-ZAG SCRUB	95.00
FIBER PROD. UNIT		PM	2.1000 LB/H	WET SCRUB/ZIG-ZAG SCRUB	95.00
FIBER PROD. UNIT		PM	3.1000 LB/H	WET SCRUB/ZIG-ZAG SCRUB	95.00
FIBER PROD. UNIT		PM	2.3500 LB/H	WET SCRUB/ZIG-ZAG SCRUB	95.00
BOILER, 2	3.10 MMBTU/H EA	PM	0.0600 LB/H	NAT GAS FUEL/#2 OIL STANDBY	
SILICA STORAGE SILO	400.00 MLB	PM	0.0100 LB/H	BAGFILTER	98.00

(CONTINUED) JOHN MANSVILLE SALES CORP

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL STORAGE, AL STORAGE SILO	300.00 MLB	PM	0.0100 LB/H BAGFILTER	98.00
DOLOMITE LIME STORAGE	200.00 MLB	PM	BAGFILTER	98.00
LIMESTONE STORAGE SILOS, 2	200.00 MLB EA	PM	BAGFILTER	98.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- REFRACTORIES

COMPANY NAME/SITE LOCATION KAISER REFACTORIES MOSS LANDING, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) NCC 80-02
DETERMINATION MADE BY EPA REGION IX (AGENCY) BOB BAKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/30/81
ESTIMATED DATE OF START-UP--
(415)-974-8220 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILNS, #1,2,3	165.00 T/D				
		NOX	515.0000 LB/H TOTAL	STD PETROL. COKE BURN.	

NOTES ----------
MODIFICATION OF MAGNESIA KILNS #1,2,3 SO THEY CAN FIRE PETROLEUM COKE, OIL, AND/OR NAT. GAS. BACT IS DETERMINED BY TECHNOLOGY AND ECONOMICS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

ID NUMBER CA-0026

SOURCE TYPE CODE 9.3

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 160.00 T/H

COMPANY NAME/SITE LOCATION ALAMO CEMENT CO. , TX
BEXAR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9076
DETERMINATION MADE BY TEXAS ACB (AGENCY) ROBERT MAUELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/13/83
ESTIMATED DATE OF START-UP-- 1984
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MILL, DRAFT VENT, 2 EA	80.00 T/H				
		PM	14.5000 T/YR	BAGHOUSE	BACT 99.70
COOLER & AIR SLIDE, 2 EA					
		PM	2.6000 T/YR	BAGHOUSE	BACT 99.70
SILO, CLINKER, 2 EA					
		PM	4.8000 T/YR	BAGHOUSE	BACT 99.70
SILO, GYPSUM, 2 EA					
		PM	2.6000 T/YR	BAGHOUSE	BACT 99.70
SILO, CEMENT, 6 EA	7680.00 T/H				
		PM	1.3000 T/YR	BAGHOUSE	BACT 99.70
SILO, CEMENT WITHDRAWAL, 6 EA					
		PM	5.3000 T/YR	BAGHOUSE	BACT 99.70

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATERIAL HANDLING, RAILCAR LOAD*		PM	5.3000 T/YR	BAGHOUSE	BACT 99.70

NOTES ----------
PERMIT IS FOR NEW FINISH MILL AT EXISTING FACILITY. SOURCE SIZE IS FOR THE FINISH MILL, NOT THE ENTIRE FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION CALIF. PORTLAND CEMENT CO MOJAVE, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) SJ-78-73
DETERMINATION MADE BY EPA REGION IX (AGENCY) DON HARVEY (AGENCY CONTACT PERSON) (415)-974-8223 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/12/79
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRECALCINER - KILN	1.00 MMT/YR CEME*	PM	36.0000 LB/H	BAGHOUSE	BACT 99.90
		SO2	616.0000 LB/H	ABSORPTION BY ALKALI	BACT 70.00
		NOX		NONE REDUCED FUEL USAGE,LOW FURN. TEMP.	
CLINKER COOLER		PM	21.0000 LB/H	BAGHOUSE	BACT 99.60
PRIMARY CRUSHER		PM	5.0000 LB/H	BAGHOUSE	BACT 99.50
SAMPLE SYS, SURGE SILO		PM		BAGHOUSE	99.50
SAMPLE SYS, SURGE SILO RECLAIM		PM		BAGHOUSE	99.50

(CONTINUED) CALIF. PORTLAND CEMENT CO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYORS & TRANSFER		PM	BAGHOUSE	99.50
MILLS & SCREENS		PM	BAGHOUSE	99.50
PULVERIZER		PM	BAGHOUSE	99.50
TRUCK DUMP HOPPER, ADDITIVES SYS		PM	WATER SPRAY	90.00
DUMP HOPPER RECLAIM, ADDITIVES *		PM	BAGHOUSE	99.50
CONVEYOR & TRANSFER, ADDITIVES *		PM	BAGHOUSE	99.50
STORAGE BUILDING, ADDITIVES SYS		PM	BAGHOUSE	99.50
RECLAIM CONVEYORS, ADDITIVES SYS		PM	BAGHOUSE	99.50
STORAGE BLDG & STACKER, LIMESTO*		PM	BAGHOUSE	99.50
RECLAIM & CONVEYORS, LIMESTONE *		PM	BAGHOUSE	99.50

(CONTINUED) CALIF. PORTLAND CEMENT CO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILOS, ROLLER MILL		PM	BAGHOUSE	99.50
SILOS RECLAIM, ROLLER MILL		PM	BAGHOUSE	99.50
ROLLER MILL & FEED, ROLLER MILL		PM	WATER SPRAY	90.00
PROD. CONVEYOR, ROLLER MILL		PM	BAGHOUSE	99.50
HOMOGEN. & KILN, ROLLER MILL HOMOGEN. SILOS, FEED SYS		PM	BAGHOUSE	99.50
HOMOGEN. SILOS RECLAIM		PM	BAGHOUSE	99.50
KILN FEED		PM	BAGHOUSE	99.50
COAL MILL FOR PREHEATER		PM	CYCLONE & BAGHOUSE	99.50
COAL MILL FOR KILN		PM	CYCLONE & BAGHOUSE	99.50

(CONTINUED) CALIF. PORTLAND CEMENT CO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYORS, CLINKER COOLER		PM	BAGHOUSE	99.50
CLINKER TRANSFER		PM	BAGHOUSE	99.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.10 MMT/YR

COMPANY NAME/SITE LOCATION CREOLE CORP.
NEAR PLASTER CITY , CA
IMPERIAL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) SE-78-09
DETERMINATION MADE BY EPA REGION IX (AGENCY) DON HARVEY (AGENCY CONTACT PERSON) (415)-974-8223 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/20/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PREHEATER/KILN MILL (2)	500000.00 T/YR CEMENT*				
		PM	23.7000 LB/H		
			0.0180 GR/DSCF EA		
				BAGHOUSE	99.90
		SO2	78.3000 LB/H		
			46.0000 PPM AT 10% O2		
				ABSORPTION OF SULFUR OXIDES BY ALKALI	85.00
				LOW SULFUR COAL	
		SO2	266.0000 LB/H		
			156.0000 PPM AT 10%O2		
				INCREASED CONTACT BETWEEN ALKALI AND SULFUR BE*	
		NOX	213.0000 LB/H		
			175.0000 PPM AT 10%O2		
				REDUCED TEMPERATURE IN PRECALCINING FURNACE	
				HIGH FUEL EFFICIENCY	
CLINKER COOLER					
		PM	10.2000 LB/H		
			0.0130 GR/DSCF EA		
OTHER PM POINT SOURCES					
		PM	0.0150 GR/ACFM		
				BAGHOUSES	

(CONTINUED) CREOLE CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INPLANT ROADS		PM		PAVING AND SWEEPING	
QUARRY HAUL ROADS		PM	10.0000 % OPACITY	APPLY EMULSIFIED ASPHALT	
RAW MATL. & COAL STOCKPILES		PM		WETDUST SUPPRESSANT	
RAW MATL. HANDLING & CONVEYING		PM	10.0000 % OPACITY	COVERING OR ENCLOSING	

NOTES ----------
SO2 LIMIT FOR FIRING SECONDARY COAL TO BE REVISED AFTER REVIEWING CONTINUOUS MONITORING DATA AND AFTER DAILY RAW MATERIAL ANALYSES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	04/04/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 2900.00 T/D

COMPANY NAME/SITE LOCATION DAL-TEX CEMENT MIDLOTHIAN, TX
ELLIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-8996
DETERMINATION MADE BY TEXAS ACB (AGENCY) GARY MCARTHUR (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/03/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENT KILN	2900.00 T/D				
		PM	0.3000 LB/T FEED		NSPS
				BAGHOUSE	99.00
		SO2			
		NOX			
COAL HANDLING	21.00 T/H				
		FUG*		SEE VE LIMIT	
		VE	20.0000 % OPACITY		NSPS
				BAGHOUSE-UNLOAD,GRINDING,FEED BIN	99.00
FINISH MILLS	2900.00 T/D				
		PM	78.0000 T/YR		
				BAGHOUSE	99.00

NOTES ----------
NO EMISSION POINT FOR CLINKER COOLER. PART OF EXHAUST IS RECIRCULATED TO THE CLINKER COOLER THROUGH A HEAT EXCHANGER AND THE R
EMAINDER IS USED AS COMBUSTION AIR FOR THE KILN /PREHEATER/PRECALCINER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION DIXIE CEMENT CO. RICHARD CITY, TN MARION COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY TENNESSEE APCD (AGENCY) ANN NIELSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/10/81
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN	330000.00 LB/H				
		PM	0.3000 LB/T KILN FEED		
			33.0900 LB/H		
				FABRIC FILTER	99.90
		SO2	4.1600 LB/H		
				LIMESTONE INJECTION	85.00
		NOX	110.0000 LB/H		BACT
				DRY PROCESS/COAL FIRED	
CLINKER COOLER	198413.00 LB/H				
		PM	15.8700 LB/H		BACT
				FABRIC FILTER	99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 600000.00 T/YR

COMPANY NAME/SITE LOCATION FLORIDA CRUSHED STONE BROOKSVILLE, FL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. FL-091
DETERMINATION MADE BY FLORIDA DER (AGENCY) BOB KING (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/27/84
ESTIMATED DATE OF START-UP-- 1985
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN	124.00 T/H	PM	0.3000 LB/T DRY FEED	BAGHOUSE, SEE NOTE	99.00
		SO2	0.6000 LB/T DRY FEED	0.8% S COAL	
		NOX	2.9000 LB/T DRY FEED	DESIGN	
COOLER, CLINKER	75.00 T/H	PM	0.1000 LB/T KILN FEED	BAGHOUSE, SEE NOTE	99.00
KILN, COOLER		VE	10.0000 % OPACITY, MAX	BAGHOUSE, SEE NOTE	99.00
DRYER, RAWMILL		VE	10.0000 % OPACITY, MAX	BAGHOUSE, SEE NOTE	99.00
PLANT, ALL OTHER EMISSION POINTS		VE	5.0000 % OPACITY, MAX	BAGHOUSE	99.00

NOTES ----------
NSPS SUBPART F APPLICABLE. SO2 EMISSIONS LIMITED TO PROTECT CHASSAHOWITZKA NATIONAL WILDERNESS CLASS I AREA AND TO ALLOW FUTUR

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

E INDUSTRIAL GROWTH. NOTE -- ONE LARGE BAGHOUSE THROUGH WHICH A 362 MW BOILER ALSO EXHAUSTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 362.00 MW

COMPANY NAME/SITE LOCATION FLORIDA CRUSHED STONE BROOKSVILLE, FL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. FL-090
DETERMINATION MADE BY FLORIDA DER (AGENCY) BOB KING (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/27/84
ESTIMATED DATE OF START-UP-- 1985
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, FURNACE	1234.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	BAGHOUSE, SEE NOTE	99.00
		NOX	0.7000 LB/MMBTU	DESIGN	
		SO2	0.9000 LB/MMBTU		
			915.0000 LB/H MAX	LOW S COAL/LIME INJECTION	25.00
		VE	20.0000 % OPACITY MAX	BAGHOUSE	
COAL STORAGE, BIN	50.00 T/H				
		VE	5.0000 % OPACITY MAX	BAGHOUSE	99.00
COAL HANDLING	50.00 T/H				
		VE	10.0000 % OPACITY MAX	WATER SPRAYS	

NOTES ----------
BOILER CONSTRUCTED PRIOR TO 7/17/71 THEREFORE NSPS SUBPART D IS NOT APPLICABLE. POWER HOUSE ELECTRICAL PRODUCTION IS 125 MW. SO2 EMISSIONS LIMITED TO PROTECT CHASSAHOWITZKA NATIONAL WILDERNESS CLASS I AREA AND TO ALLOW FUTURE GROWTH. NOTE -- BAGHOUSE ALSO CONTROLS EMISSIONS FROM CEMENT PLANT KILN, COOLER, AND DRYERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 108.00 T/H

COMPANY NAME/SITE LOCATION FLORIDA MINING & MATERIALS CORP. BROOKSVILLE, FL 33512
P.O. BOX 6 HERNANDO COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL-063
DETERMINATION MADE BY FLORIDA DER (AGENCY) JOHN SVEC (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/25/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, ROTARY, #2	108.00 T/H	PM	0.2000 LB/T FEED	BAGHOUSE	BACT 99.90
CLINKER COOLER		PM	0.0660 LB/T KILN FEED	BAGHOUSE	BACT 99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1994

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 100000.00 T/YR

COMPANY NAME/SITE LOCATION IDEAL BASIC CEMENT SALINA, UT

SEVERE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MIN 042582-.INT
DETERMINATION MADE BY UTAH DOH (AGENCY) CARL BROADHEAD (AGENCY CONTACT PERSON) (801)-533-6108 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/28/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EF
CEMENT BINS	100000.00 T/YR	PM	0.0150 GR/DSCF	BAGHOUSE	99.00
		VE	20.0000 % OPACITY		

NOTES ----------

(+) INDICATED DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

ID NUMBER UT-0026

SOURCE TYPE CODE 1.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.60 MMT/YR

COMPANY NAME/SITE LOCATION KAISER CEMENT & GYPSUM CORP. PERMANENTE, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. [illegible]
DETERMINATION MADE BY EPA REGION IX (AGENCY) DON HARVEY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/26/78
ESTIMATED DATE OF START-UP--
(415)-974-8223
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible] T/D				
		PM	10.0000 LB/H		
			0.0200 GR/DSCF		
				BAGHOUSE	
		SO2	401.0000 LB/H		99.00
			105.0000 PPM		BACT
				ALKALI ABSORPTION, PREHEATER, AND BAGHOUSES	
				1.0% S COAL (ANNUAL AVERAGE) 2.0% S (TRAINLOAD)	
		NOX	1150.0000 LB/H		BACT
				REDUCED FUEL USAGE & LOW TEMPERATURE	
CLINKER COOLER					
		PM	5.3000 LB/H		
			0.0100 GR/DSCF		
				BAGHOUSE	
PRECALCINER COAL BYE					
		PM	3.5000 LB/H		
			0.0200 GR/DSCF		
				BAGHOUSE	
RIGID COAL BYE					
		PM	3.5000 LB/H		
			0.0200 GR/DSCF		

(*) INDICATES DATUM AND TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

ID NUMBER CA-0019

SOURCE TYPE CODE 9.4

[redacted]

[redacted] EXISTING WET PROCESS FACILITY TO DRY USING SUSPENSION PREHEATERS & PRECALCINERS. SO2 AND NOX LIMITS SUBJECT TO REVISION [redacted] COMPLETION OF EMISSION TESTING -- LACK OF EMISSIONS DATA FROM PROCESS.

[redacted] TO BE CONTROLLED BY APPROPRIATE MEANS (COVERING, SUPPRESSION AND STABILIZATION SYSTEMS) SUCH THAT THERE A [redacted] EMISSIONS.

[redacted] EXECUTED ENTRY WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

[redacted] ID NUMBER CA-0019 SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[redacted] PORTLAND CEMENT MANUFACTURING 6000.00 T/D

[redacted] LAS VEGAS PORTLAND CEMENT JEAN, NV

[redacted]
[redacted]
[redacted] EPA REGION IX BOB BAKER (415)-974-8215
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

DATE OF PERMIT ISSUANCE-- 02/01/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, 2	125.00 T/H EA				
		SO2	260.0000 LB/H 2H AV		BACT
			72.0000 PPM 2H AV		
				COAL LIMITED TO 0.9% S	80.00
		SO2	150.0000 LB/H 30D AV		BACT
			44.0000 PPM 30D AV		
				COAL LIMITED TO 0.9% S	80.00
		NOX	281.0000 LB/H		BACT
			115.0000 PPM		
		CO	30.0000 LB/H		BACT
		PM	90.0000 LB/H		BACT
			0.0125 GR/DSCF		
				ESP	99.90
		VE	10.0000 % OPACITY		BACT
				ESP	99.90
		SE	0.0190 LB/D		BACT
[redacted]	125.00 T/H EA				
		PM	40.0000 LB/H		BACT
			0.0065 GR/DSCF		
				BAGHOUSE & MULTICYCLONE	99.90
		VE	10.0000 % OPACITY		BACT
				BAGHOUSE & MULTICYCLONE	99.90

[redacted] ENTER AND TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

[redacted] ID NUMBER NV-0007 SOURCE TYPE CODE 9.4

[illegible]
[illegible] FACILITY AND [illegible] BUILT.

[illegible] DISSEMINATED DATUM AND TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	02/13/1984

ID NUMBER NV-0007

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 2000.00 T/D

COMPANY NAME/SITE LOCATION LONESTAR FLORIDA PENNSUCO, INC. HIALEAH, FL 33012
11800 N.W. 121 ST. DADE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-FL-028
DETERMINATION MADE BY FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/19/80
ESTIMATED DATE OF START-UP-- 1981
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENT KILN	1.48 T/H				
		FM	28.7000 LB/H		NSPS
				ESP	99.00
CLINKER COOLER	148.00 T/H				
		FM	14.3000 LB/H		NSPS
				BAGHOUSES	99.90

NOTES ----------
SOURCE CONSTRUCTION NOT COMPLETED WHEN PROJECT STOPPED. A NEW PSD PERMIT WILL BE REQUIRED BEFORE CONSTRUCTION WILL BE RESUMED.

(*) INDICATED DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[redacted] PORTLAND CEMENT MANUFACTURING 137.00 T/H

[redacted] LONESTAR FLORIDA PENINSUCO, INC. MIALEAH, FL 33012
P.O. BOX [redacted] DADE COUNTY

[redacted] PSD & MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 07/08/81
[redacted] ESTIMATED DATE OF START-UP-- 1982
[redacted] FLORIDA DER MILLARD MANKS (904)-488-1344
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

[redacted] TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[redacted]	30.00 T/H	PM	0.0100 GR/DSCF BAGHOUSE	99.90

[redacted]
INSTALLATION OF COAL HANDLING FACILITIES FOR GAS TO COAL FUEL CONVERSION.

[redacted] INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.00 MMT/YR

COMPANY NAME/SITE LOCATION LONESTAR INDUSTRIES INC. GEORGETOWN, TX
WILLIAMSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-176
DETERMINATION MADE BY EPA REGION VI (AGENCY) BILL TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/19/80
ESTIMATED DATE OF START-UP-- 1981
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN FEED & KILN/ID BYPASS	1.00 MMT/YR				
		PM	30.6000 LB/H	BAGHOUSE	99.90
		SO2	960.0000 LB/H	PRECALCINER PROCESS DESIGN	80.00
		NOX	360.0000 LB/H	PRECALCINER PROCESS DESIGN.	
TRUCK AND RAIL UNLOAD		PM	0.5000 LB/H	BAGHOUSE	99.90
COAL REGLAIM TRANSFER		PM	0.3000 LB/H	BAGHOUSE	99.90
LIMESTONE STORAGE		PM	2.6000 LB/H	BAGHOUSE	99.00
LIMESTONE REDISKING		PM	0.2000 LB/H	BAGHOUSE	99.90

PAGE 9- 949

(CONTINUED) LONESTAR INDUSTRIES INC.

EMISSIONS SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE RECLAIM TRANSFER					
		PM	0.3000 LB/H	BAGHOUSE	99.90
ROLLER MILL SURGE BIN					
		PM	0.3000 LB/H	BAGHOUSE	99.90
RAW STORAGE FEED BELT					
		PM	0.6000 LB/H	BAGHOUSE	99.90
ADDITIVE RECLAIM TRANSFER					
		PM	0.3000 LB/H	BAGHOUSE	99.90
ADDITIVE BIN					
		PM	0.5000 LB/H	BAGHOUSE	99.90
LIMESTONE BIN					
		PM	0.5000 LB/H	BAGHOUSE	99.80
FEED ELEVATOR LOAD					
		PM	0.3000 LB/H	BAGHOUSE	99.90
FEED ELEVATOR DISCHARGE					
		PM	0.3000 LB/H	BAGHOUSE	99.90
HOMOGENIZING BELD					
		PM	1.3000 LB/H	BAGHOUSE	99.90
HOMOGENIZING BELD DISCHARGE ELE*					
		PM	0.2000 LB/H	BAGHOUSE	99.90

PAGE 0- 0A9

[redacted]: LONESTAR INDUSTRIES INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[redacted]		PM	0.5000 LB/H	BAGHOUSE	99.90
[redacted]		PM	0.3000 LB/H	BAGHOUSE	99.90
[redacted]		PM	0.3000 LB/H	BAGHOUSE	99.60
[redacted]		PM	0.1000 LB/H	BAGHOUSE	99.80
[redacted]		PM	0.3000 LB/H	BAGHOUSE	99.90
[redacted]		PM	22.0000 LB/H	BAGHOUSE	99.90
[redacted]		PM	0.8000 LB/H	BAGHOUSE	99.90
[redacted]		PM	0.1000 LB/H	BAGHOUSE	99.90
[redacted]		PM	2.6000 LB/H EA	BAGHOUSE	99.90
[redacted]		PM	3.9000 LB/H EA	BAGHOUSE	99.90

[illegible]: LONESTAR INDUSTRIES INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]		PM	0.3000 LB/H BAGHOUSE	99.90
[illegible]		PM	0.9000 LB/H BAGHOUSE	99.90
[illegible]		PM	0.7000 LB/H BAGHOUSE	99.90
[illegible]		PM	0.9000 LB/H EA BAGHOUSE	99.30

NOTES ----------

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[illegible] INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 9.4

ID NUMBER TX-0058

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING [illegible]

COMPANY NAME/SITE LOCATION LONESTAR INDUSTRIES INC. CONCRETE, WA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-X82-03
DETERMINATION MADE BY EPA REGION X (AGENCY) PAUL BOYS (AGENCY CONTACT PERSON) (206)-442-1106 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/25/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENT KILN AND MILL	2.91 MMBTU/T CLI*				
		PM	0.0100 GR/ACF		
			20.0000 LB/H		
				BAGHOUSE, FIBERGLASS BAGS	99.90
		SO2	275.0000 LB/H		
			1205.0000 T/YR		
				MINIMIZED BY PROCESS DESIGN	
		NOX	300.0000 LB/H		
			1314.0000 T/YR		
				MINIMIZED BY PROCESS DESIGN	
CLINKER COOLER					
		PM	0.0100 GR/ACF		
			16.1000 LB/H		
				BAGHOUSE, NOMEX BAGS	
MATERIALS HANDLING EQUIP., 37 U*					
		PM	0.0100 GR/ACF		
			5.0000 % OPACITY		
				BAGHOUSE	
QUARRY, STACKER-RECLAIMER, COAL*					
		PM	10.0000 % OPACITY		
				WET SUPPRESION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

NOTES ----------
BACT FOR PARTICULATE WAS BASED ON EXPECTED PERFORMANCE OF BAGHOUSES. IF THE KILN EMISSION LIMITATION IS EXPRESSED IN THE UNITS
OF THE NSPS IT IS CONSIDERABLY SMALLER DUE TO PROCESS DESIGN AND BAGHOUSE PERFORMANCE.
THE PREHEATER/PRECALCINER DESIGN IS EXPECTED TO RESULT IN LOWER SO2 AND NOX EMISSIONS THAN THE CONVENTIONAL WET OR DRY PROCESS CEMENT PLANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

ID NUMBER MA-0034

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 1.70 MT/D

COMPANY NAME/SITE LOCATION LONESTAR PORTLAND CEMENT
NEAR GRANTSVILLE , UT
TOOLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VIII (AGENCY) JOHN DALE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/16/81
ESTIMATED DATE OF START-UP--
(303)-837-3763 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROT. PACKER		PM	0.5100 LB/H	FF	BACT 99.90
AIR SEPARATOR		PM	3.8600 LB/H	FF	BACT 99.90
RUFFLE BAFFLES		PM	3.0000 LB/H	FF	BACT 99.90
		VE	20.0000 % OPACITY		
COM SEED HOPPER		PM	0.6900 LB/H	FF	BACT 99.90
COM SEED LAYOUT		PM	2.1400 LB/H	FF	BACT 99.90
CLK COAL FLEV		PM	0.3300 LB/H	FF	BACT 99.90

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[illegible] LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]		PM	11.1000 LB/H	FF	BACT 99.90
		VE	10.0000 % OPACITY		
[illegible]		PM	0.5800 LB/H	FF	BACT 99.90
[illegible]	41.00 MT/HR	PM	0.5900 LB/H	FF	BACT 99.90
		VE	10.0000 % OPACITY		
[illegible]	41.00 MT/HR	PM	1.7100 LB/H	FF	BACT 99.90
		VE	10.0000 % OPACITY		
[illegible]		PM	0.7400 LB/H	FF	BACT 99.90
[illegible]		PM	2.0700 LB/H	FF	BACT 99.90
[illegible]		PM	0.2600 LB/H	FF	BACT 99.90
[illegible]		PM	0.4300 LB/H	FF	BACT 99.00
[illegible]		PM	0.2100 LB/H	FF	BACT 99.90

PAGE 6- 950

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN GASES	1.70 MT/D	NOX	1.6000 LB/T FEED 236.6000 LB/H KILN		BACT
		SO2	0.6000 LB/T FEED 64.5000 LB/H KILN		BACT 85.00
LIMESTONE RECL		PM	0.5100 LB/H FF		BACT 99.90
RAW MILL		PM	12.0000 LB/H FF		BACT 99.90
		VE	20.0000 % OPACITY		
PREHEAT BUCKET		PM	0.1700 LB/H FF		BACT 99.90
PRIME CRUSHER		PM	2.1500 LB/H FF		BACT 99.90
RAW MATL BIN		PM	0.2600 LB/H FF		BACT 99.90
RAW MATL BIN		PM	0.1700 LB/H FF		BACT 99.90
RAW MATL RECL.		PM	0.5100 LB/H FF		BACT 99.90

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAWML SURGE BIN					
		PM	0.5100 LB/H	FF	BACT 99.90
SECOND CRUSHER					
		PM	1.0300 LB/H	FF	BACT 99.90
SILO 2 EA					
		PM	0.5100 LB/H EA	FF	BACT 99.90
SILO ELEVATOR					
		PM	0.2100 LB/H	FF	BACT 99.90
SILO RELCAIM					
		PM	0.2100 LB/H	FF	BACT 99.90
SILO TYPE II					
		PM	0.8600 LB/H	FF	BACT 99.90
SILO TYPE V					
		PM	0.3500 LB/H	FF	BACT 99.90
SILO-CLK-1					
		PM	0.2600 LB/H	FF	BACT 99.90
SILO-CLK-2					
		PM	0.2600 LB/H	FF	BACT 99.90
TRANS CONVEY.					
		PM	1.0300 LB/H	FF	BACT 99.90

(CONTINUED) LONESTAR PORTLAND CEMENT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TRANS TOWER					
		PM	0.5100 LB/H	FF	BACT 99.90
WASTE BIN					
		PM	0.2600 LB/H	FF	BACT 99.90

NOTES ----------
KILN OPERATION IS NOT TO EXCEED 300 D/YR. KILN EXHAUST GASES ARE EMITTED FROM BOTH THE MILL AND THE BYPASS STACKS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 5.00 MT/YR

COMPANY NAME/SITE LOCATION MONOLITH PORTLAND CEMENT CO. MONOLITH, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) SE 78-11
DETERMINATION MADE BY EPA REGION IX (AGENCY) DON HARVEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/23/81
ESTIMATED DATE OF START-UP--
(415)-974-8223 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILN	500000.00 T/YR				
		NOX	260.0000 LB/H	COAL FIRED, WET PROCESS	BACT
		SO2	300.0000 LB/H	BAGHOUSE ALKINE CEMENT DUST	BACT 90.00
		PM	21.4000 LB/H 0.0250 GR/DSCF	BAGHOUSE	NSPS 99.80
		BE	21.4000 LB/H 0.0200 GR/DSCF	BAGHOUSE	NSPS 99.80
KILN DUST RECYCLE		PM		NONE	
CLINKER COOLER	500000.00 T/YR				
		PM	12.9000 LB/H 0.0120 GR/DSCF	BAGHOUSE REINJECTION INTO KILN	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

CONSTRUCTION OF A ROT. CEMENT KILN, CLINKER COOLER, AND COAL MILL. ONLY LO W SULFUR FUEL (1.5% BY WT.) MAY BE USED IN KILN. QT
RLY BERYLLIUM MONITORING IS REQUIRED. BACT DETERMINATION: 1) TECHNOLOGY & ECONOMICS, 2) TECHNOLOGY, 3) TECH. AND NSPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	04/04/1984

ID NUMBER CA-0028

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 775.00 T/D

COMPANY NAME/SITE LOCATION SOUTHWESTERN PORTLAND CEMENT CO. AMARILLO, TX
POTTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-351
DETERMINATION MADE BY EPA REGION VI (AGENCY) BILL TAYLOR (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/26/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILN, COAL FIRED	213.00 MMBTU/H	SO2	2.4100 LB/MMBTU	ALKAI IN RAW MAT. REACT W/SUL.	BACT 20.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 4000.00 T/D

COMPANY NAME/SITE LOCATION SOUTHWESTERN PORTLAND CEMENT CO. LEA ODESSA, TX
ECTOR COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-352M-1
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BENHAM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/05/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN 1, COAL FIRED	187.50 MMBTU/H				
		SO2	1.1180 LB/MMBTU	NONE	BACT
		PM		UNKNOWN	
		NOX		UNKNOWN	
KILN 2, COAL FIRED	165.00 MMBTU/H				
		SO2	0.5240 LB/MMBTU	MODERAT. S COAL/PARTIAL SCRUB.	BACT
		PM		UNKNOWN	
		NOX		UNKNOWN	
KILN 3, COAL FIRED	275.00 MMBTU/H				
		PM	0.3000 LB/T D FEED	2 BAGHOUSES	NSPS 99.00
		SO2	0.4880 LB/MMBTU	LOW S COAL/PARTIAL SCRUBBING	BACT
		NOX	0.3200 LB/MMBTU	KILN DESIGN	BACT
BLEND SILO					
		PM	1.2300 LB/H	BAGHOUSE	BACT 99.00

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL MILL					
COAL TRANSFER		PM	4.2500 LB/H	BAGHOUSE	BACT 99.00
COAL BIN		PM	0.2600 LB/H	ENCLOSED BAGHOUSE WET SPRAY	BACT 99.00
COAL CRUSHER		PM	0.2100 LB/H	BAGHOUSE	BACT 99.00
4 CLINKER TRANSFERS		PM	0.2100 LB/H	BAGHOUSE	BACT 99.00
DUST BIN		PM	0.2100 LB/H EA	BAGHOUSE	BACT 99.00
CLINKER COOLER		PM	0.2100 LB/H	BAGHOUSE	BACT 99.00
COAL UNLOAD		PM	0.1000 LB/T D FEED	GRAVEL BED FILLER	NSPS 99.00
TRAVELING STACKER		PM	0.2920 LB/H	ENCLOSED, H2O SPRAY	BACT 50.00
		PM	0.0100 LB/H	WET SUPPRESSION	BACT 80.00

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE PILE					
TRAFFIC AROUND PILE		PM	0.5300 LB/H	WET SUPPRES., COMPACT.	BACT 90.00
ROAD OUT		PM	0.0500 LB/H	WET SUPPRES., COMPACT.	BACT 90.00
TRUCK LOAD		PM	0.0080 LB/H	WET SUPPRES., COMPACT.	BACT 90.00
TRUCK DUMPING		PM	5.8400 LB/H		BACT
CONVEYOR TRANSFER		PM	2.3500 LB/H		BACT
HOMOGINIZING SILO		PM	3.5200 LB/H	BAGHOUSE	BACT 99.00
HOMOGINIZING SILO		PM	2.5400 LB/H	BAGHOUSE	BACT 99.00
KILN LEVEL TANK		PM	0.1600 LB/H	BAGHOUSE	BACT 99.00
CLINKER COOLER		PM	0.7900 LB/H	BAGHOUSE	BACT 99.00
		PM	0.4000 LB/H	BAGHOUSE	BACT 99.00

(CONTINUED) SOUTHWESTERN PORTLAND CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CLINKER TRANSFER		PM	0.4800 LB/H BAGHOUSE	BACT 99.00
2 CLINKER STORAGE BINS		PM	0.3200 LB/H EA BAGHOUSE	BACT 99.00
CLINKER STORAGE BIN		PM	0.1600 LB/H BAGHOUSE	BACT 99.00
3 CEMENT SILOS		PM	1.1100 LB/H EA BAGHOUSE	BACT 99.00
2 CEMENT SILOS		PM	0.3200 LB/H EA BAGHOUSE	BACT 99.00
RAW MILL		PM	0.7100 LB/H BAGHOUSE	BACT 99.00
RAW MILL		PM	1.1900 LB/H BAGHOUSE	BACT 99.00

NOTES ----------

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 9.4

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PORTLAND CEMENT MANUFACTURING 2750.00 T/D

COMPANY NAME/SITE LOCATION TEXAS CEMENT CO.
P.O. BOX 610
BUDA, TX 78610

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. TX-194
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/16/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN & RAW MILL	2750.00 T/D				
		PM	33.7000 LB/H	BAGHOUSE	BACT 99.90
		NOX	240.0000 LB/H	FLASH CALCINER, LEA	BACT
		SO2	416.0000 LB/H	MATERIAL ALKALINITY	BACT 75.00
MATERIAL CRUSHING		PM	5.9000 LB/H	BAGHOUSE	BACT 99.80
BLENDING SILOS		PM	3.1000 LB/H	BAGHOUSE	BACT 99.80
CLINKER COOLER		PM	6.6000 LB/H	BAGHOUSE	BACT 99.00
FINISH SILO		PM	2.1000 LB/H	BAGHOUSE	BACT 99.80

(CONTINUED) TEXAS CEMENT CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL & GYPSUM HANDLING					
		PM	3.2000 LB/H	BAGHOUSE	BACT 99.80
CEMENT BAG PACKING					
		PM	1.8000 LB/H	BAGHOUSE	BACT 99.80
FINISH MILL					
		PM	6.0000 LB/H	BAGHOUSE	BACT 99.80

NOTES ----------
EXPANDED CAPACITY FROM 1375 TONS/DAY TO 2750 TONS/DAY. QUARRY OPERATIONS LIMTED TO 10 HRS/DAY, 6 DAYS/WK AND DELIVERY OF NO MO RE THAN 10000 TONS OF QUARRIED MATERIAL PER DAY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 1800.00 T/D

COMPANY NAME/SITE LOCATION ASH GROVE CEMENT CO. LOUISVILLE, NE

DETERMINATION IS LAER
PERMIT NO.
DETERMINATION MADE BY NEBRASKA DEC (AGENCY) GENE ROBINSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/22/80
ESTIMATED DATE OF START-UP-- 1982
(402)-471-2186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN	1800.00 T/D	PM	0.0100 GR/ACFM	ESP'S/RECIRCULATION	99.70
CLINKER COOLER	150000.00 LB/H	PM	0.0090 GR/ACFM	FABRIC FILTER	99.70
KILN FEED SYS	250000.00 LB/H	PM		FABRIC FILTER A/C RATIO NOT > 5.8:1	99.70
COAL GRINDING SYS	22900.00 LB/H	PM		FABRIC FILTER A/C RATIO NOT > 4.14:1	99.70

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 100.00 T/H

COMPANY NAME/SITE LOCATION ATLANTIC CEMENT CO., INC. SPARROWS POINT, MD 21219
BALTIMORE COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 03-6-0932
DETERMINATION MADE BY (AGENCY) CARL YORK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/03/80
ESTIMATED DATE OF START-UP-- 1982
(301)-383-2776 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLUIDIZED BED SLAG DRYER	125.00 T/H	PM	0.0200 GR/DSCF	CYCLONE/BAGHOUSE	LAER 99.00
CONVEYING & MILLING	110.00 T/H	PM	0.0200 GR/DSCF	BAGHOUSES	LAER 99.00
BARGE AND SHIP LOADING	1500.00 T/H	PM	0.0200 GR/DSCF	DUSTLESS CHUTES/BAGHOUSES	LAER 99.00
ROADS		PM		PAVEMENT	90.00
STOCKPILES		PM		WET SUPPRESSION	80.00

NOTES ----------
CEMENT MANUFACTURED FROM GRANULATED SLAG

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 375.00 T/H

COMPANY NAME/SITE LOCATION BANKS CONSTRUCTION CO. P.O. BOX 4426 SUMMERVILLE, SC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-SC-032
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) DAVID FLEMING (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/01/80
ESTIMATED DATE OF START-UP--
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENT KILN	375.00 T/H				
		PM	17.5000 LB/H	BAGHOUSE	NSPS 99.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/02/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 1.50 MT/D

COMPANY NAME/SITE LOCATION BEEHIVE CEMENT, SANTAGUIN PLANT NEAR GENOLA , UT UTAH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VIII (AGENCY) JOHN DALE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/27/81
ESTIMATED DATE OF START-UP--
(303)-837-3763 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BIN FEED-CLK					
		PM	0.5000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
CEM MILL FD	90.00 T/H CEMENT				
		PM	0.7000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
CEM ML CIRC					
		PM	2.0000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
CEM PACK SYS	515.00 MT/YR				
		PM	0.7000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
CEM SILO B&KF					
		PM	1.1000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEM SILO COLL. 8 EA					
		PM	0.3000 LB/H EA		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
CEM SILO LDOUT 4 EA					
		PM	0.7000 LB/H EA		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
CEM SILO TOP					
		PM	1.5000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
CLK CONV SYS, 4					
		PM	0.5000 LB/H		BACT
				FF	99.80
		PM	0.3000 LB/H		BACT
				FF	99.80
		PM	0.3000 LB/H		BACT
				FF	99.80
		PM	1.8000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
CLK COOL VENT					
		PM	10.3500 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
COAL RECL BIN	71.30 MT/YR				
		VE	10.0000 % OPACITY		BACT
				ENCLOSURE	40.00
COAL RECL PILE	71.30 MT/YR				
		VE	10.0000 % OPACITY		BACT
				ENCLOSURE	20.00

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GYP BIN FEED					
		PM	0.5000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
INACT.PILE ERO					
		VE	10.0000 % OPACITY		BACT
				SURFACTANT	90.00
KILN	1.50 MT/D				
		NOX			BACT
				NO CONTROL	
		SO2	0.4700 LB/T FEED		BACT
				KILN	73.00
KILN/RAWML EXH	1.50 MT/D				
		PM	14.3000 LB/H		BACT
				FF	99.80
		VE	20.0000 % OPACITY		
LIMESTN BINFD					
		PM	0.4000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
LIMESTONE CONV					
		PM			BACT
				ENCLOSURE	90.00
LIVE PILE EROS					
		PM			BACT
				SURFACTANT	
RAW MATL BIN FD					
		PM	0.7000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		

(CONTINUED) BEEHIVE CEMENT, SANTAGUIN PLANT

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW MATL TRANS.					
		PM	0.3000 LB/H	FF	BACT 99.80
RAWML ADD CRUSH		VE	10.0000 % OPACITY		
		PM	1.1000 LB/H	FF	BACT 99.80
RAWML CIR EQ		VE	10.0000 % OPACITY		
		PM	0.5000 LB/H	FF	BACT 99.80
RAWML FD SYS		VE	10.0000 % OPACITY		
		PM	1.1000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		

NOTES ----------
LIMITED TO 330 D/YR OPERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- CEMENT (OTHER THAN PORTLAND) MANUFACTURING 1.80 MT/D

COMPANY NAME/SITE LOCATION MARTIN MARIETTA-LEAMINGTON LEAMINGTON CANYON, UT
JUAB COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VIII (AGENCY) JOHN DALE (AGENCY CONTACT PERSON) (303)-837-3763 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/06/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ALKALI BYPASS		PM	8.2000 LB/H	FF	BACT 99.90
		VE	20.0000 % OPACITY		
ALKALI BYPASS		PM	0.3000 LB/H	FF	BACT 99.80
BLEND & KILN FEED		PM	0.8000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
2ND BLEND & KILN FEED		PM	0.3000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
BURN/COOL		PM	10.2000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		

(CONTINUED) MARTIN MARIETTA-LEAMINGTON

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL STOR. & ML					
		PM	0.2000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
COAL STOR. & ML					
		PM	3.1000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
CRUSHING					
		PM	3.1000 LB/H		BACT
				FF	99.80
		VE	10.0000 % OPACITY		
FINISH GRIND					
		PM	1.4000 LB/H		BACT
				FF	99.80
FINISH GRIND					
		PM	5.0000 LB/H		BACT
				FF	99.90
		VE	10.0000 % OPACITY		
FINISH GRIND					
		PM	2.3000 LB/H		BACT
				FF	99.90
		VE	10.0000 % OPACITY		
KILN SYS					
		NOX	101.5000 LB/H		BACT
			0.8000 LB/T FEED		
				DESIGN	
		SO2	98.8000 LB/H		BACT
			0.7700 LB/T FEED		
				KILN	85.00

(CONTINUED) MARTIN MARIETTA-LEAMINGTON

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
QUARRY I					
		VE	10.0000 % OPACITY	FUG.CONTROLS	BACT
QUARRY II					
		PM	10.0000 % OPACITY	FUG.CONTROLS	BACT
RAW MATL STORAGE					
		PM	1.5000 LB/H	FF	BACT 99.90
		VE	10.0000 % OPACITY		
RAW MILL					
		PM	18.2000 LB/H	FF	BACT 99.90
		VE	20.0000 % OPACITY		
SILO/LDOT-COAL					
		PM	0.9000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
SILO/LDOT-COAL					
		PM	0.6000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		
STORAGE PILES					
		VE	10.0000 % OPACITY	FUG.CONTROLS	BACT
BURN/COOL					
		PM	0.4000 LB/H	FF	BACT 99.80
		VE	10.0000 % OPACITY		

(CONTINUED) MARTIN MARIETTA-LEAMINGTON

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BURN/COOL					
		PM	0.4000 LB/H		BACT
				FF	99.80

NOTES ----------
KILN NOX EMISSION LIMIT IS BEING RE-EVALUATED. EXHAUST GAS FROM THE KILN ARE VENTED FROM THE FINISH MILL STACK AND THE ALKALY BY-PASS STACK. LIMITED TO 300 D/YR OPERATION OF THE KILN. DRY BLEND SYSTEM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- COAL CLEANING 15500.00 T/D

COMPANY NAME/SITE LOCATION ETSI REDFIELD, AR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 700-A
DETERMINATION MADE BY ARKANSAS DPC (AGENCY) MIKE PORTA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/28/83
ESTIMATED DATE OF START-UP--
(501)-562-7444 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL	498.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				BAGHOUSE	99.90
		SO2	1.2000 LB/MMBTU		NSPS
				LOW S COAL	
		NOX	0.7000 LB/MMBTU		NSPS
				STAGED COMBUSTION-LEA	
		CO			BACT
				GOOD COMBUSTION	
THERMAL DRYER,9	15900.00 T/D				
		PM	0.0310 GR/DSCF		
				SCRUBBER	99.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- COAL CLEANING 15900.00 T/D

COMPANY NAME/SITE LOCATION ETSI NEWARK, AR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 705-A
DETERMINATION MADE BY ARKANSAS DPC (AGENCY) MIKE PORTA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/28/83
ESTIMATED DATE OF START-UP--
(501)-562-7444 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL	498.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				BAGHOUSE	99.90
		SO2	1.2000 LB/MMBTU		NSPS
				LOW S COAL	
		NOX	0.7000 LB/MMBTU		NSPS
				STAGED COMBUSTION - LEA	
		CO			BACT
				GOOD COMBUSTION	
THERMAL DRYER	15900.00 T/D				
		PM	0.0310 GR/DSCF		
				SCRUBBER	99.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- COAL CLEANING

COMPANY NAME/SITE LOCATION SOUTHERN CA EDISON COALWATER STATION 12 MI. SE OF BARSTON, CA

DETERMINATION IS
PERMIT NO. SE80-01
DETERMINATION MADE BY EPA REGION IX (AGENCY) DICK GROW (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/09/81
ESTIMATED DATE OF START-UP--
(415)-974-8219 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL GASIFICATION UNIT	100.00 T/D				
		SO2	4.4000 LB/H	SELEXOL	
			196.0000 LB/H	SLOT/CLAUS	
				SEL.: <.7% S, S/C: >.7% S FUEL	99.60
		CO	77.0000 LB/H	3H AV	
			50.0000 PPMV, DRY, DAY AVG		
				I & M PROGRAM, CO MONITORS	
GAS TURBINE	100.00 MW				
		SO2	35.0000 LB/H	<.7% S FUEL	
			175.0000 LB/H	>.7% S FUEL	
				3 HOUR AVERAGES	
		CO	77.0000 LB/H	3H AV	
			50.0000 PPMV, DRY, DAY AVG		
				I & M PROGRAM, CO MONITORS	
		SUL*			
				BACT INCORP. IN SO2 CONTRL.	
		NOX	140.0000 LB/H	3H AV	
			50.0000 PPMV, DRY, DAY AVG		
				WATER INJECTION	

NOTES ----------
BACT DETERMINED FROM TECHNOLOGY AND ECONOMICS. TWO MAJOR PROCESSES: ONE COAL GASIFICATION UNIT, ONE GAS TURBINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW 04/01/1983	POST STARTUP 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- COAL CLEANING (THERMAL DRYER) 1.46 MMT/YR DRY

COMPANY NAME/SITE LOCATION CONSOL PENNSYLVANIA COAL CO. RICHHILL, PA
GREENE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 82PA01
DETERMINATION MADE BY EPA REGION III (AGENCY) GREGORY HAM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/03/82
ESTIMATED DATE OF START-UP--
(215)-597-2745 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
THERMAL DRYER	352.00 T/H				
		PM	0.0310 GR/DSCF		NSPS
				VENTURI SCRUBBER	99.00
		SO2	1.9000 LB/MMBTU		
				VENTURI SCRUBBER	15.00
		NOX	0.6000 LB/MMBTU		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- COAL CLEANING (THERMAL DRYER)

COMPANY NAME/SITE LOCATION METTIKI COAL DEER PARK, MD

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION III (AGENCY) CRAIG HOLDEFER (AGENCY CONTACT PERSON) (301)-383-3147 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/05/78
ESTIMATED DATE OF START-UP-- 1978

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
THERMAL DRYERS	1.46 MMT/YR				
		PM	0.0096 GR/DSCF		
			31.7000 LB/H		
				MULTIPLE CYCLONE & VENTURI SCRUBBER	99.70
		SO2	20.5000 PPM		
			78.6000 LB/H		

NOTES ----------
SOURCE HAS REQUESTED THAT PM EMISSIONS LIMIT BE RAISED TO 0.02 GR/DSCF. MARYLAND AIR MANAGEMENT ADMIN. WILL ALLOW THIS INCREAS E IF SOURCE RESTRICTS OPERATIONS TO 16 H/D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION CERTAINTEED CORP. MADERA, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) SJ 80-02 DATE OF PERMIT ISSUANCE-- 06/22/81
DETERMINATION MADE BY EPA REGION IX (AGENCY) RICK SUGAREK (AGENCY CONTACT PERSON) ESTIMATED DATE OF START-UP--
(415)-974-8062 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, GLASS MELTING	220.00 MT/D	NOX	55.9000 LB/H GAS 40.0000 LB/H OIL	REDUCED AIR COMBST MOD.	

NOTES ----------
BACT DETERMINED FROM TECHNOLOGY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/04/1984

SOURCE TYPE/SIZE--- GLASS FIBER MANUFACTURING 1166.00 LB/H

COMPANY NAME/SITE LOCATION PABCO INSULATION DIV., FIBERBOARD CORP. , TX
ANDERSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9386
DETERMINATION MADE BY TEXAS ACB (AGENCY) BOB MAUEL (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/13/84
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATERIAL STORAGE, SILO, RAW MAT*					
		PM	0.1000 LB/H		BACT
				BAGHOUSE	99.00
MATERIAL STORAGE, PRODUCT, MIXED					
		PM	0.1000 LB/H		BACT
				BAGHOUSE	99.00
FIBERIZING, COLL., & CURING	1166.00 LB/H				
		NOX	3.0000 LB/H		BACT
		PM	3.0000 LB/H		BACT
				VENTURI SCRUBBER	94.00
		FOR*	1.0000 LB/H		BACT
				VENTURI SCRUBBER	94.00
		PHE*	1.0000 LB/H		BACT
				VENTURI SCRUBBER	94.00

NOTES ----------
HEALTH EFFECTS REVIEW WAS CONDUCTED DUE TO THE FORMALDEHYDE AND PHENOL EMISSIONS. EXPECTED MANIMUM CONCENTRATIONS OF THESE SUB STANCES ARE NOT EXPECTED TO CAUSE ACUTE HEALTH EFFECTS. PROCESS HEAT SUPPLIED BY ELECT. FURNACE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION PPG INDUSTRIES MIDLAWN, TX

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-290
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GLASS MELTING FURNACE, 2	72.00 MMBTU/H				
		PM	3.0000 LB/H	NAT GAS	NSPS
			0.0400 LB/MMBTU	NAT GAS	
				BACT NOT REQUIRED	
		SO2	59.0000 LB/H	NAT GAS	BACT
			0.8100 LB/MMBTU	NAT GAS	
				CHEMICAL INJECTION	
		NOX	109.0000 LB/H	NAT GAS	BACT
			1.5100 LB/MMBTU	NAT GAS	
				COMBUSTION CONTROL	
		F	4.1000 LB/H	NAT GAS	
			0.0570 LB/MMBTU	NAT GAS	
				BACT NOT REQUIRED	
		PM	3.4500 LB/H	FUEL OIL	NSPS
			0.0500 LB/MMBTU	FUEL OIL	
				BACT NOT REQUIRED	
		SO2	93.5000 LB/H	FUEL OIL	BACT
			1.3000 LB/MMBTU	FUEL OIL	
				CHEMICAL INJECTION	
		NOX	0.8500 LB/H	FUEL OIL	BACT
			1.1800 LB/MMBTU	FUEL OIL	
				COMBUSTION CONTROL	
		F	4.1000 LB/H	FUEL OIL	

0.0570 LB/MMBTU FUEL OIL
BACT NOT REQUIRED

(CONTINUED) PPG INDUSTRIES

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING OVENS, 12	0.93 MMBTU/H			
		PM	0.0100 LB/H 0.0100 LB/MMBTU BACT NOT REQUIRED	
		SO2	0.0060 LB/H 0.0060 LB/MMBTU NATURAL GAS FIRING	BACT
		NOX	0.2000 LB/H 0.2100 LB/MMBTU COMBUSTION CONTROL	BACT
POST BAKE OVENS	0.56 MMBTU/H			
		PM	0.0100 LB/H 0.0200 LB/MMBTU BACT NOT REQUIRED	
		SO2	0.0003 LB/H 0.0005 LB/MMBTU NATURAL GAS FIRING	BACT
		NOX	0.1300 LB/H 0.2300 LB/MMBTU COMBUSTION CONTROL	BACT
BOILERS, 2	20.92 MMBTU/H			
		PM	0.3000 LB/H 0.0140 LB/MMBTU BACT NOT REQUIRED	
		SO2	0.0100 LB/H 0.0005 LB/MMBTU NATURAL GAS FIRING	BACT
		NOX	4.8000 LB/H 0.2300 LB/MMBTU COMBUSTION CONTROL	BACT
MATERIAL HANDLING FACILITIES, 33				
		PM	0.3300 LB/H BACT NOT REQUIRED	

NOTES ----------
THE GLASS MELTING FURNACES ARE PERMITTED TO FIRE EITHER NATURAL GAS/PROPANE OR FUEL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- FRIT MANUFACTURING 600.00 T/D

COMPANY NAME/SITE LOCATION GUARDIAN INDUSTRIES CORP.
43043 W. NINE MILE RD. NORTHVILLE, TX 48167
NAVARRO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/18/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GLASS MELTING FURNACE STACK	600.00 T/D				
		NOX	0.5000 LB/T	LOW EXCESS AIR	BACT
		SO2	0.1300 LB/T	PROCESS DESIGN	BACT
		PM	0.0600 LB/T	PROCESS DESIGN	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION BALL CORP. , CA
NEAR ROSEVILLE PLACER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SAC-79-02
DETERMINATION MADE BY EPA REGION IX (AGENCY) DAVID SOLOMON (AGENCY CONTACT PERSON) (415)-974-8066 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/13/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, BOTTLE GLASS MELTING	438.00 T/D				
		NOX	6.3000 LB/T GLASS PULLED/H		
			75.0000 LB/H		
				HIGH LEVEL ELECT. BOOST	45.00
				LOW EXCESS AIR	

NOTES ----------
MINIMUM 2500 KW BOOST FOR ALL PULL RATES OVER 285 T/DAY. FIRST NOX LIMIT -- ALL PULL RATES>285 T/DAY. 2ND LIMIT FOR RATES<285.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION GUARDIAN INDUSTRIES CORP. KINGSBURY, CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. SJ-78-86
DETERMINATION MADE BY EPA REGION IX (AGENCY) DAVID SOLOMON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/16/81
ESTIMATED DATE OF START-UP--
(415)-974-8066 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GLASS MELTING FURNACE #2	650.00 T/D				
		SO2		SEE NOTE CHEMICAL TREATMENT OF FURNACE OFFGASES NO MORE THAN 15 LB SALT CAKE PER 1000 LB SAND	
		NOX	340.0000 LB/H	PROPER FURNACE DESIGN	BACT 20.00
		PM	12.2000 LB/H	ESP	NSPS

NOTES ----------
COMPLIANCE WITH SO2 AND NOX LIMITS TO BE DETERMINED WITH CONTINUOUS MONITORS.SO2 EMISSION LIMIT IS (13 X (LB SALT CAKE PER 1000 LB SAND IN BATCH)) - 6(LB S/HR) OR TO BE LESS THAN 137 LB/HR 0.59%S FUEL OIL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GLASS MANUFACTURING 750.00 T/D

COMPANY NAME/SITE LOCATION PPG INDUSTRIES MOUNT ZION, IL
MACON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C 912026
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/29/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLOAT GLASS PLANT	750.00 T/D				
		NOX	13.0000 LB/T GLASS PROD		BACT
		SO2	1.6000 LB/T GLASS PROD		SIP
		PM	0.6000 LB/T GLASS PROD	ESP	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

SOURCE TYPE/SIZE--- GLASS MANUFACTURING 8.00 T/H

COMPANY NAME/SITE LOCATION PPG INDUSTRIES CUMBERLAND, MD 21502
P.O. BOX 1356 ALLEGHENY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79MD05
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/07/79
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GLASS FURNACE	8.00 T/H				
		NOX	1.4550 LB/MMBTU		BACT
		SO2	8.0000 LB/H		BACT
		PM	11.5000 LB/H		BACT

NOTES ----------
SMALLER THAN COMMERCIAL (PROTOTYPE) UNIT FOR TESTING & RESEARCH ON THIS PROCESS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GYPSUM MANUFACTURING 150.00 MT/YR

COMPANY NAME/SITE LOCATION CONTINENTAL LIME, INC , UT
NEAR DELTA MILLARD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VIII (AGENCY) JOHN DALE (AGENCY CONTACT PERSON) (303)-837-3763 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/05/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CALC. PLANT	40.00 T/H STONE				
		PM	0.3000 LB/T FEED	TWIN CYC. & DUCON DYM SCRUBB.	BACT
		VE	10.0000 % OPACITY		
COAL BIN STOR	394.00 MT/YR				
		PM	0.0040 LB/H	BAGHOUSE	BACT
		VE	20.0000 % OPACITY		
FINISH PROD CRUSH	45.00 T/H COAL				
		PM	4.2000 LB/H	BAGHOUSE	BACT
		VE	20.0000 % OPACITY		

NOTES ----------
CALCINER EMISSION LIMIT IS BEING CONTESTED THROUGH THE COURTS. SEE 'CFR THURSDAY, SEPT. 2, 1982'

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GYPSUM MANUFACTURING 425.00 MMCF/YR

COMPANY NAME/SITE LOCATION U.S. GYPSUM SWEETWATER, TX
NOLAN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-TX-255
DETERMINATION MADE BY EPA REGION VI (AGENCY) BILL TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/13/80
ESTIMATED DATE OF START-UP-- 1981
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE PILE	425.00 MMSQF/YR				
		PM	1.5000 LB/H	SPROUT, HOOD, ENCLOSURE	34.00
LAND PLASTER STORAGE BIN		PM	0.3000 LB/H	BAGHOUSE	99.70
CALCINED GYPSUM STORAGE BIN		PM	0.3000 LB/H	BAGHOUSE	99.90
MACHINE DRY MIXING EQUIP.		PM	1.2000 LB/H	BAGHOUSE	99.90
POST STUCCO TREATMENT EQUIP.		PM	0.6000 LB/H	BAGHOUSE	99.90
END SAWING EQUIPMENT		PM	3.0000 LB/H	BAGHOUSE	99.90

(CONTINUED) U.S. GYPSUM

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING KILNS, 6					
		PM	0.7000 LB/H	NONE	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- LIME MANUFACTURING 40000.00 LB/H

COMPANY NAME/SITE LOCATION ARMCO INC. - PIQUA MINERALS
P.O. BOX 911 PIQUA, OH
MIAMI COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 08-362
DETERMINATION MADE BY REGIONAL APC (AGENCY) REBECCA POHLMAN (AGENCY CONTACT PERSON) (513)-335-5655 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/15/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIMESTONE CLASSIFIER	40000.00 LB/H			
		PM	0.0200 GR/DSCF	
			5.0000 LB/40000 LB PER H	BACT
			BAGHOUSE, 1 SMALL & 1 LARGE	99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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SOURCE TYPE/SIZE--- LIME MANUFACTURING

COMPANY NAME/SITE LOCATION CHEMSTONE CORP. ORANDA, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 20252
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/07/83
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN, COAL FIRED	54.00 MMBTU/H	PM	0.2000 LB/T LIMESTONE FEED	MULTICLONE & BAGHOUSE	99.50
COAL HANDLING	2.50 T/H	PM	1.3200 T/YR	BAGHOUSE & WET SUPRESSION	99.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- LIME MANUFACTURING

COMPANY NAME/SITE LOCATION DAN RIVER, INC. DANVILLE, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 30242
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) RENALDO JENKINS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/22/82
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME MANUFACTURING PLANT	9.00 MMLB/YR	PM	4.5000 LB/H 16.2000 T/YR	BAGHOUSE	99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- LIME MANUFACTURING 10.40 T/H QUICKLIME

COMPANY NAME/SITE LOCATION DOMTAR INDUSTRIES, INC. BELLFONTE, PA
CENTRE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 80PA02
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/10/81
ESTIMATED DATE OF START-UP--
(215)-597-8186 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTORY KILN,NO.1 COAL-FIRED	10.40 T/H QUICK L*				
		PM	0.1800 LB/T LIMESTONE		NSPS
				BAGHOUSE	99.90
		SO2	1.1300 LB/T LIMESTONE		BACT
				BAGHOUSE	90.00
				LIME DUST INTERACTING WITH SO2	
		NOX	1.5000 LB/T LIMESTONE		BACT
				GOOD DESIGN & OPERATION	

NOTES ----------
EXPANSION OF LIME PRODUCTION CAPACITY BY REHABILITATING NO.1 KILN TO PRODUCE QUICK LIME

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- LIME MANUFACTURING

COMPANY NAME/SITE LOCATION J.E. BAKER CO. MILLERSVILLE, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. EPA-5-A-80-15
DETERMINATION MADE BY OHIO EPA NWD (AGENCY) CHUCK HULL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/22/80
ESTIMATED DATE OF START-UP--
(419)-352-8461 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN		PM	0.0300 GR/DSCF	VENTURI SCRUBBER	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION TEXACO, INC.
SAN ARDO OIL FIELD , CA
MONTEREY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NCC-78-04
DETERMINATION MADE BY EPA REGION IX (AGENCY) DON HARVEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/09/80
ESTIMATED DATE OF START-UP--
(415)-974-8223 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM GEN., 3 EA	20.00 MMBTU/H				
		SO2	0.5800 LB/MMBTU 2.0000 % S FUEL OIL		BACT
WASTE GAS INCIN.	50.00 MMBTU/H			FLUE GAS DESULFURIZATION	75.00
		SO2	9.0000 LB/H	NICKEL CHLORIDE H2S SCRUBBER	BACT 99.30

NOTES ----------
THERMALLY ENHANCED OIL RECOVERY (TEOR)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION U.S. GYPSUM WABASH CITY, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-80-14
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/06/80
ESTIMATED DATE OF START-UP--
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CUPOLA	12000.00 LB/H				
		CO	61.0000 LB/H	AFTERBURNER	94.00
		PM		DROP OUT BIN & BAGHOUSE	99.00
SPINNER PRIMARY & SECOND. CYC		PM	9.0000 LB/H	DRY FILTER	90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- MINERAL WOOL MANUFACTURING

COMPANY NAME/SITE LOCATION U.S. GYPSUM GYPSUM, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-80-16
DETERMINATION MADE BY OHIO EPA NWD (AGENCY) CHUCK HULL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/11/80
ESTIMATED DATE OF START-UP--
(419)-352-8461 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CUPOLA					
		PM	0.1500 LB/T PROC. WT.		
			0.9000 LB/H MAX		
				DROPOUT BIN AND BAGHOUSE	
		SO2	1.6000 LB/T PROC. WT.		
			9.6000 LB/H MAX		
		CO	5.3500 LB/T PROC. WT.		
			32.0000 LB/H MAX		
FIBERIZATION PROCESS (FIBERIZIN*					
		PM	0.5200 GR/CF		
			179.0000 LB/H		
				SCRUBBER	97.80

NOTES ----------
SOURCE NOT BUILT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PERLITE MANUFACTURING

COMPANY NAME/SITE LOCATION CAROLINA STALITE GOLD HILL, NC

ROWAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-082
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/05/81
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, 2 EA		PM	16.0000 LB/H EA	BAGHOUSE	BACT 98.00
		SO2	1.2000 LB/MMBTU EA	LOW SULFUR COAL	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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SOURCE TYPE/SIZE--- PHOSPHATE ROCK PROCESSING

COMPANY NAME/SITE LOCATION ESTECH GENERAL CHEMICALS
410 CORTEZ ROAD WEST
BRADENTON, FL 33507
MANATEE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-FL-036
DETERMINATION MADE BY FLORIDA DER (AGENCY)
WILLARD HANKS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/29/81
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROCK DRYER	290.00 T/H	PM	0.0220 GR/DSCF	WET SCRUBBER-CYCLONE TYPE	NSPS 99.80

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PHOSPHATE ROCK PROCESSING 475.00 T/H ROCK FEED

COMPANY NAME/SITE LOCATION MOBIL CHEMICAL CO. NICHOLS, FL 33863
P.O. BOX 511 POLK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AC53-2005
DETERMINATION MADE BY FLORIDA DER (AGENCY) WILLARD HANKS (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/20/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROCK DRYER	475.00 T/H MAX				
		PM	52.0000 LB/MT		BACT
			24.9000 LB/H		
				VENTURI SCRUBBER (CAUSTIC)	99.00
		SO2	19.4000 LB/H		

NOTES ----------
CONTINUOUS MONITORING OF PRESS. DROP ACROSS SCRUBBER AND PRESSURE AT SCR RUBBER LIQUID INLET AND PH AT LIQUOR EXIT, IN LIEU OF SO2 AND TSP MONITORS. .

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 250.00 T/H

COMPANY NAME/SITE LOCATION AUSTINVILLE LIMESTONE CO., INC. AUSTINVILLE, VA

DETERMINATION IS BACT
PERMIT NO. 10213
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) KATHERINE MILLER (AGENCY CONTACT PERSON) (804)-786-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/02/83
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
JAW CRUSHER	250.00 T/H				
		PM	5.4800 T/YR	WET SUPPRESSION	BACT 90.00
SECONDARY CRUSHER, 2	120.00 T/H				
		PM	21.9000 T/YR	WET SUPPRESSION/SCRUBBER	BACT 98.00
TERTIARY CRUSHER, 2	120.00 T/H				
		PM	147.8200 T/YR	WET SUPPRESSION/SCRUBBER	BACT 98.00
FINES MILL	45.00 T/H				
		PM	70.9600 T/YR	BAGHOUSE	BACT 99.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 50.00 T/H

COMPANY NAME/SITE LOCATION COAL INDUSTRY SERVICES CO. POUNDING MILL, VA
TAZEWELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79VA11
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/06/79
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY AGGREGATE DRYER	50.00 T/H				
		PM	2.6000 LB/H		BACT
				BAGHOUSE	99.98
		FUG*	20.0000 X OPACITY		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 2000.00 T/D

COMPANY NAME/SITE LOCATION CONCRETE MATERIALS INC.
FALL RD. BROCKPORT, NY
MONROE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NONE
DETERMINATION MADE BY EPA REGION II (AGENCY) PAUL KAHN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/12/80
ESTIMATED DATE OF START-UP-- 1980
(212)-264-9578 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
1, 2, 3 ROCK CRUSHERS	125000.00 T/H	PM	70.0000 T/YR WATER SPRAY	SIP 95.00
CONVEYERS	VARIABLE	PM	WATER SPRAYS W/WETTING AGENT 20.0000 % OPACITY COVERS ON CONVEYERS	SIP 99.00
DROP POINTS	VARIABLE	PM	NONE SHROUDS	SIP 95.00

NOTES ----------
OPERATING DAYS FOR THIS SOURCE WERE LIMITED TO 160 DAYS PER YEAR. PERMIT WAS ISSUED UNDER POST-ALABAMA REGS AND SOURCE WAS ADV ISED THAT THEIR PERMIT COULD BE RECINDED IF THEY SO DESIRE. PERMIT WAS RECINDED BY EPA ON 1/26/82.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 120.00 T/H

COMPANY NAME/SITE LOCATION GAF CORP. CHARMAIN, PA
ADAMS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79-PA-20
DETERMINATION MADE BY EPA REGION III (AGENCY) DAVID ARNOLD (AGENCY CONTACT PERSON) (215)-597-7936 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/29/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MILL #1					
		PM	1.0900 LB/H	CYCLONE	BACT 99.80
MILL #2					
		PM	2.1100 LB/H	WET SCRUBBER	BACT 99.80
MILL #3					
		PM	1.9200 LB/H	WET SCRUBBER	BACT 99.80
STORAGE					
CRUSHING		PM	0.6200 LB/H		BACT
CRUSHER		PM	2.1000 LB/H		BACT
		PM	0.3100 LB/H		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION MARTIN MARIETTA AGGREGATES CHARLESTOWN, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(10)1483
DETERMINATION MADE BY INDIANA APCD (AGENCY) FRANK PROFIT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/25/81
ESTIMATED DATE OF START-UP--
(317)-633-0664 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HAMMERMILL CRUSHER		PM	0.1800 LB/H BAGHOUSE	99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 1.12 MMT/YR

COMPANY NAME/SITE LOCATION MARYLAND MATERIALS, INC.
P.O. BOX W
NORTHEAST, MD 21901
CECIL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78MD06
DETERMINATION MADE BY EPA REGION III (AGENCY) ED VOLLBERG (AGENCY CONTACT PERSON) (215)-597-8990 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/04/79
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TERTIARY CRUSHING & SCREENING	360.00 T/H	PM	6.4800 LB/H	BAGHOUSE	BACT 99.70

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION MID-CONTINENT MATERIALS, INC. TULSA, OK

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. T79-004
DETERMINATION MADE BY TULSA CITY-COUNTY HEALTH DEPT (AGENCY) BILL GIBBONS (AGENCY CONTACT PERSON) (918)-744-1000 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/19/79
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMARY CRUSHER	355.00 T/H	PM	1.8000 LB/H	H2O SURFACTANT	95.00
SECONDARY CRUSHER	355.00 T/H	PM	1.1000 LB/H	H2O SURFACTANT & FILTER	99.50
CONVEYORS	355.00 T/H	PM	13.3000 LB/H	H2O SURFACTANT	95.00
STOCKPILES	355.00 T/H	PM	12.2000 LB/H	H2O SURFACTANT RESID.(NOTE#1)	85.00
TRUCK LOADING	355.00 T/H	PM	7.8000 LB/H	SURFACTANT RESID.-SHIELDS(NOTE#2)	85.00
RECRUSH/SCREEN	90.00 T/H	PM	1.1000 LB/H	H2O SURFACTANT & FILLER BAGS	99.50

NOTES ----------
OPERATIONS LIMITED TO 1760 H/YR. WATER FOR SURFACTANT SYS TO BE FROM CITY WATER SUPPLY ONLY / OFFSETS OBTAINED FROM ADJACENT QUARRY / LAER IMPOSED BECAUSE OF NON-ATTAINMENT STATUS. 1) ALSO STOCKPILE AREA & VEHICLE ROADS AREAS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

HARD SURFACED. 2)GUARANTEED. CONTROL EFFICIENCIES AT SECONDARY BRUSHER ARE BASED ON APPLICANT'S STATEMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- STONE QUARRYING, SAND/GRAVEL 400.00 T/H

COMPANY NAME/SITE LOCATION WALDRON CRUSHED STONE CO. WALDRON, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(73)1478
DETERMINATION MADE BY INDIANA APCD (AGENCY) TED SCWDERS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/21/80
ESTIMATED DATE OF START-UP--
(317)-633-0665 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMARY & SECONDARY CRUSHER	400.00 T/H				
		PM	117.0000 T/YR		
				DUST SUPPRESSION SYS.	80.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION CONOCO, INC. , OH NOBLE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 06-552
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/23/81
ESTIMATED DATE OF START-UP--
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GASIFIER		SO2	1.6000 LB/MMBTU	SEE NOTES	
		PM	0.0600 LB/MMBTU	BAGHOUSE	99.90
		NOX	0.6000 LB/MMBTU		

NOTES ----------
< .5% S IN FUEL OIL

INITIAL REVIEW POST STARTUP
(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO. KINGSPORT, TN
SULLIVAN COUNTY

DETERMINATION IS B/L
PERMIT NO.
DETERMINATION MADE BY TENNESSEE APCD (AGENCY) ANN NIELSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/12/80
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SULFUR RECOVERY	160429.00 LB/H				
		CO	0.6300 LB/H		BACT
				FLASH & DISTIL. COLUMNS	90.00
		VOC	0.4500 LB/H		LAER
				INCINERATION	99.00
GASIFIER	340904.00 LB/H				
		CO	0.5600 LB/H		BACT
				WASTE WATER CLARIFER	99.00
		H2S	0.0085 LB/H		BACT
				WASTE WATER CLARIFER	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- TACONITE ORE PROCESSING

COMPANY NAME/SITE LOCATION TENNESSEE EASTMAN CO. KINGSPORT, TN
SULLIVAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY TENNESSEE APCD (AGENCY) ANN NIELSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/24/80
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2	780.00 MMBTU/H EA				
		PM	0.0360 LB/MMBTU		LAER
				ESP	99.60
		SO2	1.2000 LB/MMBTU		BACT
				0.71% S FUEL	
		NOX	0.6000 LB/MMBTU		BACT
		VOC	0.0260 LB/MMBTU		LAER
				EMISSION OFFSET	
		CO	0.0650 LB/MMBTU		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- MINING OPERATIONS 6.00 MMT/YR

COMPANY NAME/SITE LOCATION SHELL OIL CO.-BUCKSKIN MINE , WY
CAMPBELL COUNTY

DETERMINATION IS BACT
PERMIT NO.
DETERMINATION MADE BY EPA REGION VIII (AGENCY) JOHN DALE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/04/80
ESTIMATED DATE OF START-UP--
(303)-837-3763 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SURFACE MINE	6.00 MMT/YR	PM	MGM'T PRACTICES	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 30.00 T/H

COMPANY NAME/SITE LOCATION AM MATERIALS CONSTRUCTION EAU CLAIRE, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-80-18-007
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) DONALD WHITE (AGENCY CONTACT PERSON) (715)-836-4268 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/02/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAND DRYER		PM	6.4000 LB/H MAX	BAGHOUSE	99.50

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 130.00 T/H

COMPANY NAME/SITE LOCATION AMSELCO COAL, FULTON MINE MILCROOK, IN
FOUNTAIN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC(23)1470
DETERMINATION MADE BY INDIANA APCD (AGENCY) RICHARD WILLIAMSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/28/80
ESTIMATED DATE OF START-UP--
(317)-633-0663 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL MINING	130.00 T/YR	PM			
TRUCK DUMP	270000.00 T/YR	PM	6.7600 T/YR	WET SUPPRESSION	90.00
SCREENS AND TRANSFER POINTS		PM	9.4600 T/YR	WET SUPPRESSION	90.00
ROTARY BREAKER		PM	2.7000 T/YR	WET SUPPRESSION	90.00
STOCK PILES		PM	4.0600 T/YR	WET SUPPRESSION	90.00
LOADING		PM	6.6700 T/YR	WET SUPPRESSION	90.00

NOTES ----------
2080 HR/YR OPERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 75.00 T/H

COMPANY NAME/SITE LOCATION BADGER MINING CORP. FAIRWATER, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. ATT-04-88-24-023
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) BRIAN GALLEY (AGENCY CONTACT PERSON) (608)-266-9418 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/27/88
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAND DRYER		PM	0.0040 LB/MLB GAS	WET SCRUBBER	99.00
SAND STOCKPILES		FUG*		WET SUPPRESSION	

NOTES ----------
WET SCRUBBER TO BE STACK TESTED, #2 FUEL OIL TO BE LESS THAN .3% S BY WEIGHT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION GENERAL CASTING CORP. WAUKESHA, WI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. NAA-03-80-68-041
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/06/80
ESTIMATED DATE OF START-UP--
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAND HANDLING SYSTEM		PM	0.0800 LB/MLB GAS	BAGHOUSES	LAER 99.20

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION LONE STAR POLYMER CONCRETE CO. NORFOLK, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 60230
DETERMINATION MADE BY VIRGINIA APCB (AGENC/) PAUL PITTS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/21/82
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POLYMER CONCRETE MIXER	4.20 T/H	VOC	11.7000 LB/H 9.9000 T/YR		
		PM		BAGHOUSE	99.00

NOTES ----------
VOC LIMIT IS 11.7 LB/H , 9.9 T/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 250.00 T/H

COMPANY NAME/SITE LOCATION MULLITE CO. ANDERSONVILLE, GA SUMTER COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. GA 064
DETERMINATION MADE BY GEORGIA EPD (AGENCY) BILL MITCHELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/07/80
ESTIMATED DATE OF START-UP--
(404)-656-6900 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILNS	250.00 T/YR	PM	9.4200 LB/H	LOW SULFUR COAL	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION PATRICK COAL CORP. CHESAPEAKE, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 61010
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) PAUL PITTS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/08/83
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAIL CAR DUMPER	2100.00 T/H	VE	5.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
CONVEYORS	2100.00 T/H	VE	5.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
SHIP LOADING	6100.00 T/H	VE	20.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
STACKER	2100.00 T/H	VE	10.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
RECLAIMER	4000.00 T/H	VE	10.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00
TRANSFER POINTS	2100.00 T/H	VE	5.0000 % OPACITY COVERED TRANSFER & WET SUPRESSION	90.00

NOTES ----------
THIS SOURCE IS A COAL TERMINAL THAT UNLOADS RAIL CARS TO SHIPS.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY 200750.00 T/YR

COMPANY NAME/SITE LOCATION PPG INDUSTRIES SHELBY, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-056
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/03/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RAW MATERIAL STORAGE	200750.00 T/YR	PM	1.7000 LB/H	BAGHOUSE + SILO	BACT 99.00
		SO2	6.2000 LB/H	LOW SULFUR	BACT

NOTES ----------

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE--- OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION SW ELECT. POWER
2700 ONE MAIN PL.
DALLAS, TX 75250

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-130
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON) (214)-767-1594 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/23/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIGNITE TRUCK UNLOAD HOPPER	29433.00 T/D	PM	7.4000 LB/H	WET SUPPRESION	50.00
LIGNITE DISCHARGE CHUTE	29433.00 T/D	PM	0.0800 LB/H	WET SUPPRES.& TELESCOPIC CHUTE	75.00
LIGNITE RECLAIMING	33600.00 T/D	PM	0.1600 LB/H	WET SUPPRES.& PART. ENCLOSURE	50.00
LIGNITE STORAGE PILES	57.40 LB/D	PM	2.3900 LB/H	COMPACTION	0.00
LIMESTONE CAR HOPPER	1892.00 T/D	PM	0.0800 LB/H	BAGHOUSE	90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION ALABAMA KRAFT
P.O. BOX 940
X CITY (LOCATED IN COTTONTON*, AL 36867
RUSSELL COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AL-067
DETERMINATION MADE BY ALABAMA APCD (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON) (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/29/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOODWASTE	436.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	MULTICYCLONE & VENTURI SCRUBBER	NSPS 98.00
		SO2	0.8000 LB/MMBTU	FUEL BLENDING	NSPS
		NOX	0.3000 LB/MMBTU	COMBUSTION CONTROL	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1000.00 ADTP/D

COMPANY NAME/SITE LOCATION ALABAMA RIVER PULP CO., INC CLAIBORNE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 1-06-0010-X001 THRU*
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/06/75
ESTIMATED DATE OF START-UP--
(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER	1086.00 ADTP/D	PM	0.0440 GR/DSCF AT 8% O2	ESP	99.60
		TRS	5.0000 PPM AT 8% O2	LOW ODOR BOILER	
		SO2			
		NOX			
		CO			
SMELT TANK	1086.00 ADTP/D	PM	0.2000 LB/T BLS	WET SCRUBBER	99.00
LIME KILN	1086.00 ADTP/D	PM	0.1300 GR/DSCF AT 10% O2	VENTURI SCRUBBER	99.50
		TRS	5.0000 PPM AT 10% O2		
DIGESTERS		TRS	0.5000 SEC AT 1200 F	INCINERATION-LIME KILN	

(CONTINUED) ALABAMA RIVER PULP CO., INC

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EVAPORATORS					
		TRS	0.5000	SEC AT 1200 F INCINERATION-LIME KILN	
BROWN STOCK WASHERS					
		TRS	0.5000	SEC AT 1200 F INCINERATION-RECOV. BOILER	
POWER BOILER	438.00 MMBTU/H				
		PM	0.2300	GR/DSCF AT 50% EX. AIR ESP & MULTICLONE	98.50
		SO2	2033.0000	T/YR	
		NOX	0.7000	LB/MMBTU	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 900.00 T/D ADP

COMPANY NAME/SITE LOCATION BOWATER CAROLINA CO. CATAWBA, SC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) P/C-46-210-R-1
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) DAVID FLEMING (AGENCY CONTACT PERSON) (803)-758-5406 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/03/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY FURNACE	900.00 T/D ADP				
		PM	0.0440 GR/DSCF	ELECTROSTATIC PRECIPITATOR	99.00
		SO2	300.0000 PPM		
		TRS	5.0000 PPM	BL. LIQUOR NON-CONTACT EVAPOR.	
SMELT DISSOLVING TANK	30.00 T/H OF SMELT				
		PM	0.2000 LB/T BLS	WET SPRAY SCRUB. W/CYC. FLOW	
		TRS	0.0168 LB/T BLS	WET SPRAY SCRUB. W/CYC. FLOW	

NOTES ----------
THIS DETERMINATION ALSO APPLIES TO PERMIT NUMBER P/C-46-215

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 04/06/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION CHAMPION INTERNAT. CORP. QUINNESEC, MI

DICKINSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 33-80
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) RANDAL TELEZ (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/17/81
ESTIMATED DATE OF START-UP--
(517)-322-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL-FIRED BOILER	812.50 MMBTU/H				
		PM	0.0600 LB/MMBTU	CYCLONE & ESP	NSPS 99.70
		SO2	1.2000 LB/MMBTU	LESS THAN 1% SULFUR COAL	NSPS
		NOX	0.7000 LB/MMBTU		NSPS
REC. BOILER,BLACK LIQUOR FUEL	380000.00 LB/H				
		PM	0.0440 GR/DSCF	ESP	NSPS 99.80
		TRS	5.0000 PPM BY VOL		
LIME KILN	280.00 T/D CAO				
		PM	0.0670 GR/DSCF	SCRUBBER	NSPS 99.80
		TRS	8.0000 PPM BY VOL	SCRUBBER	NSPS 99.80
		SO2	120.0000 LB/H		NSPS
SMELT DESOLVING TANK	2.86 MMLB/D BLS				
		PM	0.2000 LB/T BLS	SCRUBBER	NSPS 99.00
		TRS	0.0108 LB/T	SCRUBBER	NSPS 99.00

(CONTINUED) CHAMPION INTERNAT. CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME, COAL, & ASH HANDLING & ST*		PM	0.0300 GR/DSCF WET SUPPRESSION	NSPS

NOTES ----------
TSP AND TRS LIMIT CORRECTED TO 10% O2 (LIME KILN) & TRS LIMIT BASED ON 12 HOUR AVG. TRS LIMITS -- LB/TON BLACK LIQUOR SOLIDS B
ASED ON DRY WT BASIS (SMELT D ESOLVING TANK)

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION CHESAPEAKE CORP. WEST POINT, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 40126
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) PAUL PITTS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/10/82
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN	140.00 LB/D				
		PM	88.6000 T/YR 0.1300 GR/DSCF AT 10% O2	VENTURI SCRUBBER	99.10
		TRS	5.1100 T/YR 8.0000 PPM AT 10% O2		
		SO2		RATE BASED ON STACK TEST RESULTS	
		CO		RATE BASED ON STACK TEST RESULTS	
		VOC		RATE BASED ON STACK TEST RESULTS	
		NOX		RATE BASED ON STACK TEST RESULTS	

NOTES ----------
PM LIMIT IS 88.6 T/YR , 0.1300 GR/DSCF. TRS LIMIT IS 5.11 T/YR , 8.0 PPM AT 10% O2

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: CONTAINER CORP. OF AM
P.O. BOX 769

BREWTON, AL
ESCAMBIA COUNTY

DETERMINATION IS BASED FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AL-041
DETERMINATION MADE BY: ALABAMA APCD (AGENCY)

DUE ROBERTSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/79
ESTIMATED DATE OF START-UP-- 1982
(203)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/WOOD FIRED	611.00 MMBTU/H				
		PM	51.1000 LB/H 100% COAL		NSPS
			40.0000 LB/H 100% WOOD		
			ESP		99.10
		SO2	613.2000 LB/H		NSPS
			40.0000 LB/H 100% WOOD		
			0.75% S FUEL		
		NOX	300.0000 LB/H 100% COAL		NSPS
			424.0000 LB/H 100% WOOD		
			COMBUSTION CONTROL		

NOTES ----------
WOOD CAPACITY AND MMBTU/H CONTROL EFFICIENCY 98.20%

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/CODE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: CONTAINER CORP. OF AM
NORTH EIGHTH STREET
FERNANDINA BEACH, FL 32034
NASSAU COUNTY

DETERMINATION IS BASED FOR A MODIFIED SOURCE.
PERMIT NO. FL-002
DETERMINATION MADE BY: FLORIDA DER (AGENCY)
BOB KING (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/13/81
ESTIMATED DATE OF START-UP-- 1982
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/WOOD WASTE	1311.00 MMBTU/H				
		PM	472.0000 T/YR		NSPS
				ESP	99.00
		SO2	5363.0000 T/YR		NSPS
				LOW SULFUR COAL (.75%)	

NOTES ----------

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

[illegible] -- DETAILED SOURCE LISTING 05/22/1984

[illegible] [illegible] PULP MILLS 2300.00 T/D ADP

[illegible] FEDERAL PAPER BOARD CO., INC. RIEGELWOOD, NC

[illegible] DETERMINATION IS MADE FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 10/03/83
[illegible] ESTIMATED DATE OF START-UP-- 1983
[illegible] DETERMINATION MADE BY [illegible] (AGENCY) [illegible] (AGENCY CONTACT PERSON) (919)-733-7015 (PHONE)

PROVISIONS SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	600.00 MMBTU/H BARK	PM	0.1600 LB/MMBTU COAL 0.0500 LB/MMBTU OIL VENTURI SCRUBBER	
		SO2	0.8000 LB/MMBTU COAL 0.8000 LB/MMBTU OIL VENTURI SCRUBBER	
		NOX	0.4600 LB/MMBTU COAL 0.3600 LB/MMBTU OIL LOW EXCESS AIR/STAGED COMBUSTION	

NOTES
ADDITIONAL EMISSION LIMITS --- PM, 0.05 LB/MMBTU BARK -- SO2, 0.02 LB/MMBTU BARK -- NOX, 0.15 LB/MMBTU BARK.

(*) DESIGNATES ENTRY WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

SOURCE TYPE/SIZE---- DRAFT PULP MILLS 1095.00 MMBTU/H

COMPANY NAME/SITE LOCATION FEDERAL PAPERBOARD CO. RIEGELWOOD, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-003
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
MIKE SEMELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/31/81
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	1010.00 MMBTU/H				
		PM	0.0440 GR/CF	WET BOTTOM ESP	BACT
		SO2	979.0000 T/H	COMBUSTION CONTROLS	BACT
SMELT DISSOLVING TANKS	1000.00 T/D ADP				
		PM	0.2000 LB/T BLS	WET SCRUBBERS	BACT
		SO2	0.0660 LB/H	DUCON SCRUBBERS	BACT

NOTES ----------

[*] INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 2300.00 T/D ADP

COMPANY NAME/SITE LOCATION FEDERAL PAPERBOARD CO. RIEGELWOOD, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 4826
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 06/07/82
ESTIMATED DATE OF START-UP-- 1984
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POWER BOILER NO.6	771.00 MMBTU/H				
		PM	0.1000	LB/MMBTU	NSPS
				ESP	99.15
		SO2	1.2000	LB/MMBTU COAL	NSPS
			0.8000	LB/MMBTU OIL	
				LOW SULFUR COAL/OIL	
		NOX	0.7000	LB/MMBTU COAL	NSPS
			0.3000	LB/MMBTU OIL	
				CONTROL OF COMBUSTION COND.	
		NOX	0.2000	LB/MMBTU GAS	NSPS
		CO	0.0500	LB/MMBTU COAL	AP42
LIME KILN NO.6	971.00 T/D ADP				
		PM	0.1300	GR/DSCF 10% O2	NSPS
				WET VENTURI SCRUBBER	97.60
		SO2	8.1000	LB/H	AP42
				MATERIAL BALANCE	
		NOX	40.5000	LB/H	AP42
		CO	405.0000	LB/H	AP42
BROWN STOCK WASHERS NO.6	840.00 T/D ADP				
		SO2	16.2000	LB/H	
				INCIN. TRS IN POWER BOILER #6	

[*] INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

NOTES: ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

ID NUMBER NC-0019A

SOURCE TYPE CODE 10.1

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. ATLANTA, LA 30348
P.O. BOX 105041

DETERMINATION TO BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-6041
DETERMINATION MADE BY EPA REGION VI TOM DIGGS
(AGENCY) (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/27/81
ESTIMATED DATE OF START-UP--
(214)-767-1594
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT?	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD-FIRED BOILER	272.00 MMBTU/H				
		PM	24.7000 LB/H		BACT
			0.0090 LB/MMBTU		
				M-CLONE MECH COLL & WET SCRUB	95.00
		NOX	26.7000 LB/H		BACT
			0.1000 LB/MMBTU		
				F.G. O2 MON,CNTRL OF A/F RATIO	
		CO	25.0000 LB/H		BACT
			0.0900 LB/MMBTU		
				F.G. O2 MON,CNTRL OF A/F RATIO	

NOTES ----------
LIMITED TO A WOOD/BARK FIRING RATE OF 30.2 TONS/H

(*) INDICATED DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. ATLANTA, AR 30348
P.O. BOX 105041 CROSSETT COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 03/19/80
PERMIT NO. PSD-AR 317 ESTIMATED DATE OF START-UP-- 1982
DETERMINATION MADE BY EPA REGION VI JOHN BUNYAK (214)-767-1594
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT?	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	211.20 MMBTU/H				
		NOX	26.0000 LB/H		BACT
			0.1200 LB/MMBTU		
				NONE	
		CO	24.0000 LB/H		NSPS
			0.1100 LB/MMBTU		
				AIR/FUEL RATIO CONTROLS	

NOTES ----------
BACT ANALYSIS NOT REQUIRED FOR NOX BECAUSE THERE WAS NO NET INCREASE IN EMISSIONS. HOWEVER EMISSION LIMITS WERE PRESENTED FOR THIS POLLUTANT. A WOOD/BARK MIXTURE OF 28.7 TONS PER HOUR WILL BE FIRED IN EACH BOILER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 691.00 MMBTU/H

COMPANY NAME/SITE LOCATION GILMAN PAPER CO. ST. MARYS, GA 31558
MILL AT ST. MARYS CAMDEN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 06/29/81
PERMIT NO. GA-871 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY GEORGIA EPD BILL MITCHELL (404)-656-6900
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSES SUBJECT TO THIS PERMIT?	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BIOLER, COAL/WOODWASTE	587.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	ESP	BACT 90.00
		SO2	1.2000 LB/MMBTU	WET SCRUBBER	

NOTES ----------

INITIAL REVIEW POST STARTUP
** INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 750.00 T/D

COMPANY NAME/SITE LOCATION HAMMERMILL PAPER RIVERDALE, AL 36701
DALLAS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-AL-042
DETERMINATION MADE BY ALABAMA APCD (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/26/80
ESTIMATED DATE OF START-UP-- 1982
(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER #2	737.00 MMBTU/H				
		PM	66.2000 LB/H	ESP	NSPS 99.60
		SO2	1901.0000 T/YR	BOILER DESIGN & OPERATION	BACT
		NOX	114.2000 LB/H	BOILER DESIGN AND OPERATION	BACT
		CO	456.6000 LB/H	BOILER DESIGN & OPERATION	BACT
		TRS	5.0000 PPM AT 8% O2	BOILER DESIGN & OPERATION	NSPS
LIME KILN		TRS	8.0000 PPM AT 10% O2	EQUIPMENT OPERATION	NSPS
		PM	0.0670 GR/DSCF AT 10% O2, GASOUS FUEL 0.1300 GR/DSCF AT 10% O2, LIQ. FUEL	SCRUBBER	NSPS 98.70
		SO2	111.0000 T/YR	EQUIPMENT OPERATION	BACT
SMELT DISSOLVING TANK	84.25 T/H BLS				
		PM	0.2000 LB/T BLS	SCRUBBER	NSPS 94.00

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SO2	11.4000	LB/H REC. BOILER OPERATION	BACT
TRS	0.0160	LB/T BLS RECOVERY BOILER OPERATION	NSPS

[illegible]

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BATCH COOKTOPS No. 87 & 88					
		TRS	0.5000	SEC AT 1200 F INCINERATION	
BROWN STACK WASHER #2					
		TRS	11.0000	LB/H	
RECOVERY BOILER #1	382.00 MMBTU/H				
		TRS	20.0000	PPM	
		PM	4.0000	LB/ADTP ESP	
		SO2	272.0000	LB/H	

NOTES ----------

RECOVERY BOILER #1 -- EXISTING BOILER WAS CONVERTED FROM CONVENTIONAL TO "LOW ODOR" DESIGN.

INITIAL REVIEW POST STARTUP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 800.00 ADTP/D

COMPANY NAME/SITE LOCATION INDEPENDENT KRAFT CORP. TUSCALOOSA, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. [illegible]
DETERMINATION MADE BY ALABAMA DEM (AGENCY)

SUE ROBERTSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/23/83
ESTIMATED DATE OF START-UP--
(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER	763.00 ADTP/D				
		PM	0.0440	GR/DSCF AT 8% O2	
				ESP	99.10
		SO2	391.0000	LB/H	
		NOX	31.8000	LB/H	
		CO	63.6000	LB/H	
		TRS	0.5000	PPM AT 8% O2	
				LOW ODOR BOILER	
LIME KILN	763.00 ADTP/D				
		PM	0.0670	GR/DSCF AT 10% O2,GAS	
			0.1300	GR/DSCF AT 10% O2,FUEL OIL	
				VENTURI WET SCRUBBER	98.70
		SO2	6.4000	LB/H	
		NOX	31.8000	LB/H	
		CO	318.0000	LB/H	
		TRS	8.0000	PPM AT 10% O2	
SMELT TANK	763.00 ADTP/D				
		PM	0.2000	LB/T BLS	
				CYCLONIC SCRUBBER	95.00
		SO2	3.1800	LB/H	
		TRS	0.0168	LB/T BLS	

CONTINUED: INDEPENDENT KRAFT CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONTINUOUS DIGESTER	743.00 ADTP/D				
		TRS	0.5000 SEC AT 1200 F	INCINERATION	
MULTIPLE EFFECTS EVAPORATORS	743.00 ADTP/D				
		TRS	0.5000 SEC AT 1200 F	INCINERATION	
BROWN STOCK WASHER	743.00 ADTP/D				
		TRS	0.5000 SEC AT 1200 F	INCINERATION	
CONDENSATE STRIPPER	743.00 ADTP/D				
		TRS	0.5000 SEC AT 1200 F	INCINERATION	
GENERATOR, FOSSIL FUEL STEAM	470.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	MULTICLONE & ESP	98.90
		SO2	1.2000 LB/MMBTU		
		NOX	0.7000 LB/MMBTU		
		CO	117.0000 LB/H		

NOTES ----------

(A) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/2003

PAGE 8 (ORG) ID NUMBER AL-0020 SOURCE TYPE CODE 10.1

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 683.40 MMBTU/H

COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO. CAMDEN, AR

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 78-AR-1
DETERMINATION MADE BY ARKANSAS DPC (AGENCY) MIKE PORTA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/05/82
ESTIMATED DATE OF START-UP-- 1985
(501)-562-7444 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STEAM BOILER	683.40 MMBTU/H				
		SO2	820.0000 LB/H	FUEL BLENDING	
		NOX	480.0000 LB/H	TWO STAGE COMBUSTION	
		CO	70.0000 LB/H	OXYGEN CONTRO	
		PM	0.1000 LB/MMBTU	ESP	99.50

NOTES ----------
TSP WAS NOT SUBJECT TO BAC - HOWEVER, IT WAS SUBJECT TO THE "BEST CURRENTLY AVAILABLE CONTROL TECHNOLOGY" UNDER ARKANSAS LAW.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO. NOBLE, LA 71462 SABINE PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-295
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BENHAM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/18/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	760.00 MMBTU/H				
		NOX	0.6900 LB/MMBTU COAL 0.2000 LB/MMBTU GAS	LOW EXCESS AIR	BACT
		NOX	0.3000 LB/MMBTU OIL	LOW EXCESS AIR	BACT
		CO	0.1500 LB/MMBTU	EFFICIENT OPERATION	BACT

NOTES ----------
CO EMISSION LIMITS WILL BE ADJUSTED BASED ON COMPLIANCE TESTING BY CO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 346.00 MMBTU/H

COMPANY NAME/SITE LOCATION INTERSTATE PAPER CORP. RICEBORO, GA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2631-089-8091
DETERMINATION MADE BY GEORGIA EPD (AGENCY) DAVID WEAVER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/16/82
ESTIMATED DATE OF START-UP-- 1984
(404)-656-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	346.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				VENTURI SCRUBBER	92.00
		SO2	0.3000 LB/MMBTU		
				ALKALINE PACKED SCRUBBER	50.00
		NOX	0.3000 LB/MMBTU		NSPS
				FURNACE, BURNER DESIGN	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1000.00 T/D

COMPANY NAME/SITE LOCATION KIRBY FOREST INDUSTRIES BON WIER, TX 75928
NEWTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. TX-231
DETERMINATION MADE BY EPA REGION VI (AGENCY) GEORGE KENNEDY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/14/80
ESTIMATED DATE OF START-UP--
(214)-767-2742 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POWER BOILER	530.00 MMBTU/H				
		PM	53.0000 LB/H		NSPS
			0.0100 LB/MMBTU		
				MECHANICAL COLLECTOR	99.50
		SO2	636.0000 LB/H		NSPS
			1.2000 LB/MMBTU		
				LOW S COAL, 1.2 LB/MMBTU	
		NOX	371.0000 LB/H		NSPS
			0.7000 LB/MMBTU		
				LOW NOX BURN./CONTIN. O2 MON	
		CO	3.1200 LB/H		BACT
			0.0600 LB/MMBTU		
				CONTIN. O2 MONITORING	
RECOVERY BOILER	935.00 MMBTU/H				
		PM	83.4000 LB/H		NSPS
			0.0900 LB/MMBTU		
				WET BOTTOM ESP	98.90
		SO2	434.0000 LB/H		BACT
			0.4600 LB/MMBTU		
		NOX	67.8000 LB/H		BACT
			0.0730 LB/MMBTU		
				LOW NOX BURN./CONTN. O2 MON	

CO	82.6000	LB/H	BACT
	0.0900	LB/MMBTU	
		CONTIN. O2 MONITORING	
TRS	6.1000	LB/H	NSPS
	0.0070	LB/MMBTU	
		CAUSTIC SCRUB. SYS	98.00

(CONTINUED) KIRBY FOREST INDUSTRIES

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SMELT TANK	*46806.00 LB/D				
		PM	14.1000 LB/H	CAUSTIC SCRUB. SYS	NSPS 98.00
		TRS	1.2000 LB/H		
LIME KILN	275.00 T/D CAO				
		PM	51.7000 LB/H	CAUSTIC SCRUB. SYS	NSPS 98.00
		SO2	86.7000 LB/H	L.S.F.O(.7% MAX)	BACT
		NOX	3.3000 LB/H	LEA FIRING	BACT
		CO	41.7000 LB/H	LEA FIRING	BACT
		TRS	3.5000 LB/H		NSPS
SLAKER SCRUB	275.00 T/D CAO				
		PM	2.7000 LB/H	SCRUBBER	BACT 99.50
LIMESTONE RECEIVING	220.00 T/2WKS				
		PM	0.2000 LB/H	CYCL. SEPERATOR & FAB. FILTER	BACT 99.00
SALT CAKE RECEIVING	490.00 T/2WKS				
		PM	0.2000 LB/H	CYCL. SEPERATOR & FAB. FILTER	BACT
RECHIPPER CYCLONE	5000.00 CF/M				
		PM	7.5000 LB/H	CYCLONE	BACT 95.00

NOTES ----------
CONTROL OF FUGITIVE PART. EMISSIONS: 1) ALL CONVEYOR & TRANSFER POINTS IN MILL TOTALLY ENCLOSED, 2)COAL PILE - APPLICATION OF CHEMICAL & H2O STABLIZER BY MANUFACTURER'S RECOMMENDATION TO MINIMIZE PART. EMISSIONS, 3)COAL CAR UNLOALING - DRIVE THROUGH ENCLOUSURE, 4)COAL CONVEYING - ENCLOSED SYSTEM, 5)COAL TRANSFER POINTS DESIGNED W/HOODS, COVERS OR CANOPIES AND WET SU PPRESION SYSTEM (H2O AND CHEMICAL APPLIED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION TO MINIMIZE PART. EMMISIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 650.00 T/D

COMPANY NAME/SITE LOCATION LEAP RIVER FOREST NEW AUGUSTA, MS PERRY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. MS 035
DETERMINATION MADE BY MISSISSIPPI DNR (AGENCY) DWIGHT WILEY (AGENCY CONTACT PERSON) (601)-354-2550 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/14/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER					
		PM	0.0440	GR/DSCF	BACT
				DRY COLLECTION & SCRUBBER	99.00
		SO2	458.0000	LB/H	BACT
			300.0000	PPM	
				CONTROL S CONTENT OF FUEL	
		TRS	5.0000	PPM AT 8% FUEL	BACT
				BOILER OPERATION	
SMELT DISSOLVING TANK					
		PM	0.3000	LB/T ADP	BACT
				DRY COLLECTOR & SCRUBBER	99.00
		TRS	0.1680	LB/T BLS	NSPS
				EQUIPMENT OPERATION	
LIME KILN					
		PM	0.1300	GR/DSCF	NSPS
				DRY COLLECTOR & SCRUBBER	99.00
		TRS	8.0000	PPM	NSPS
				EQUIPMENT OPERATION	
BOILER, BARK & COAL FIRED	350000.00 LB/H				
		PM	0.1000	LB/MMBTU	BACT
				DRY COLLECTOR & SCRUB.(ALKA.)	99.00
		SO2	0.6300	LB/MMBTU	BACT

			CONTROL SULFUR CONTENT OF FUEL	90.00
NOX	0.7000	LB/MMBTU		BACT
			BOILER OPERATION	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 2580.00 T/D ADP

COMPANY NAME/SITE LOCATION LONGVIEW FIBRE LONGVIEW, WA

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. DE 80-602
DETERMINATION MADE BY WASHINGTON DOE (AGENCY) GEORGE HOUCK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/12/80
ESTIMATED DATE OF START-UP-- 1985
(206)-459-6032 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KRAFT RECOVERY FURNACE #22	1100.00 T/D ADP				
		NOX	45.8000 LB/H	SECONDARY AIR	BACT
		PM	0.0400 GR/DSCF	ESP	99.30
		VE	25.0000 %, 6 MIN PERIOD		
		CO	91.7000 LB/H		BACT
		VOC	45.8000 LB/H		BACT
		TRS	5.0000 PPM		BACT
SMELT TANK #22	1100.00 T/D ADP			NON-DIRECT CONTACT EVAP.	
NEW DIGESTER & WASHERS		TRS	0.0168 LB/T LIQUOR FIRED		
LIME KILN	112000.00 T/YR	TRS	8.0000 PPM		BACT
		PM	0.0350 GR/DSCF GAS 0.0700 GR/DSCF OIL	ESP	99.80
		TRS	8.0000 PPM 12H AV		
		VE	25.0000 %, 6 MIN PERIOD		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 477.00 MMBTU/H

COMPANY NAME/SITE LOCATION LOUISANA-PACIFIC BOILER ANTIOCH, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 27440
DETERMINATION MADE BY BAY AREA AQMD (AGENCY) LEW POTTER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/23/80
ESTIMATED DATE OF START-UP-- 1983
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD WASTE FIRED	477.00 MMBTU/H	PM	17.0000 LB/H	MUTLICYCLONE, ESP	BACT 99.70

NOTES ----------
FILE A 310-005. 10-15 % CAPACITY ON OIL.

BOILER WILL ALSO BURN 10-15 % LOW SULFUR FUEL OIL, 0.5% S

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION OLINKRAFT WEST MONROE, LA
QUACHITA PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-LA-037
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/08/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	857.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	LOW ASH FUEL	BACT
		SO2	0.7300 LB/MMBTU	LOW SULFUR FUEL (0.7 %)	BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 882.00 MMBTU/H

COMPANY NAME/SITE LOCATION PORT ST. JOE
US HIGHWAY 98
PORT ST. JOE, FL 32452
GULF COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. FL-075
DETERMINATION MADE BY FLORIDA DER (AGENCY) ED PALAGYI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/18/82
ESTIMATED DATE OF START-UP-- 1983
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, OIL FIRED	756.00 MMBTU/H				
		PM	75.6000 LB/H	MULTICLONE-WET SCRUBBER	NSPS 98.60
		SO2	604.8000 LB/H	WET SCRUBBER-CAUSTIC	NSPS 95.00
		NOX	226.8000 LB/H	EQUIPMENT OPERATION	NSPS
		CO	25.2000 LB/H	EQUIPMENT OPERATION	NSPS
BOILER, BARK	882.00 MMBTU/H				
		PM	88.2100 LB/H	MULTICLONE-WET SCRUBBER	NSPS 98.60
		SO2	705.7000 LB/H	WET SCRUBBER-CAUSTIC	NSPS 95.00
		NOX	264.0000 LB/H	EQUIPMENT OPERATION	NSPS
		CO	25.2000 LB/H	EQUIPMENT OPERATION	NSPS

NOTES ----------
NSPS IS BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 90.00 T/H BLS

COMPANY NAME/SITE LOCATION POTLATCH LEWISTON, ID

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY IDAHO AQB (AGENCY) CLINT AYER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/25/83
ESTIMATED DATE OF START-UP-- 1986
(208)-334-5360 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SMELT TANK	90.00 T/H BLS				
		PM	11.4000 LB/H SEE NOTE 1	WET SCRUBBER	
RECOVERY BOILER	90.00 T/H BLS				
		PM	58.0000 LB/H SEE NOTE 2		
			0.0300 GR/DSCF	ESP	99.70
		SO2	450.0000 LB/H SEE NOTE 6		
			200.0000 PPM		
		CO	1223.0000 LB/H		
		NOX	321.0000 LB/H SEE NOTE 3		

NOTES ----------
NOTE 1 - VENDOR GUARANTEE. NOTE 2 - SPECIFIED BY POTLATCH TO MEET OFFSET REQUIREMENTS. 3.VENDOR GUARANTEES MAX. RATE. 4.BEST AVAILABLE GUARANTEE, STANDARD IS 70 F INSTEAD OF 32 F. 5.BACT APPARENTLY EQUAL TO LAER, DUE TO VENDOR RELUCTANCE TO GUARANTEE <0.03 GR/DSCF. 6.VENDORS GUARANTEE 250 - 300 PPM. STATE LIMIT IS 200 PPM (NSPS), OPERATING EXPERIENCE INDICATES LOWER BY FACTOR OF 10.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 45.80 T/H ADP

COMPANY NAME/SITE LOCATION SCOTT PAPER
BAY BRIDGE ROAD, P.O. BOX 2447 MOBILE, AL 36601 MOBILE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AL 068
DETERMINATION MADE BY ALABAMA APCD (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON) (205)-830-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/15/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOODWASTE/COAL COMBUSTION (50% *	980.00 MMBTU/H	PM	0.1000 LB/MMBTU	ESP PLUS MULTICLONE	NSPS 99.00
		SO2	1014.0000 LB/H	FUEL S CONTENT	NSPS
		NOX	0.7000 LB/MMBTU	EQUIPT. DESIGN & OPERATION	NSPS
RECOVERY BOILER	1100.00 T/D ADP	PM	0.0440 GR/DSCF	ESP	NSPS 99.00
		TRS	5.0000 PPM	EQUIPMENT OPERATION & CONTROL	NSPS
		SO2	344.0000 LB/H 1003.0000 T/YR	EQUIPMENT OPERATION & DESIGN	BACT
		NOX	242.0000 LB/H 402.0000 T/YR	EQUIPMENT OPERATION	BACT
		CO	770.0000 LB/H	EQUIPMENT OPERATION	BACT

(CONTINUED) SCOTT PAPER

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL PREP PLANT	770.00 T/D				
		PM	20.0000 % OPACITY	ENCLOSURE	NSPS
SMELT TANK	45.80 T/H				
		PM	0.2000 LB/T BLS	WET SCRUBBER	NSPS 88.00
		TRS	0.0168 LB/T BLS	EQUIPMENT DESIGN	NSPS
		SO2	4.6000 LB/H	BOILER OPERATION	BACT
EVAPORATORS					
		TRS	0.5000 SEC AT 1200 F	INCINERATION	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION SIMPSON LEE PAPER CO. ANDERSON, CA
SHASTA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) NSR-4-4-4 SAC-82-01
DETERMINATION MADE BY EPA REGION IX (AGENCY) MATT HABER (AGENCY CONTACT PERSON) (415)-974-8209 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/15/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS TURBINE & WATE HEAT BOILER	33.00 MW				
		NOX	92.0000 LB/H ANNUAL AV	H2O INJECT. & CONTINIOUS EMIS MONITOR	BACT
		CO	100.0000 LB/H	PROPER COMBUSTION	BACT

NOTES ----------
CO LIMIT MAY BE ADJUSTED DOWNWARD FOLLOWING PERFORMANCE OF SOURCE TESTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	04/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 220.00 T/D

COMPANY NAME/SITE LOCATION SIMPSON LEE PAPER CO. ANDERSON, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 74-PO-23
DETERMINATION MADE BY SHASTA COUNTY APCD (AGENCY) RICHARD BOOTH (AGENCY CONTACT PERSON) (916)-246-5674 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/14/75
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER	6000.00 GAL/H B.L.				
		PM	0.1500 GR/DSCF	ESP	99.00
		SO2			NSPS
		TRS			NSPS
		NOX			
		CO			

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 220.00 T/D

COMPANY NAME/SITE LOCATION SIMPSON LEE PAPER CO. ANDERSON, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 80-PO-17
DETERMINATION MADE BY SHASTA COUNTY APCD (AGENCY) RICHARD BOOTH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/07/82
ESTIMATED DATE OF START-UP-- 1982
(916)-246-5674 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN	10000.00 LB/H CACO3	PM	0.1500 GR/DSCF AT 10% CO2	VENTURI SCRUBBER	95.00
		NOX			
		CO			

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION ST REGIS PAPER CO. CONTONMENT, FL 32833
HWY 2A ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. FL 066
DETERMINATION MADE BY FLORIDA DER (AGENCY) BOB KING (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/26/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BARK-COAL BOILER, UNIT #4	546.00 MMBTU/H COAL				
		SO2	1.2000 LB/MMBTU		NSPS
				ALKALINE SCRUBBER	82.00
BARK-COAL BOILER, UNIT #3	268.00 MMBTU/H COAL				
		SO2	1.2000 LB/MMBTU		NSPS
			327.0000 LB/H		
				ALKALINE SCRUBBER	82.00

NOTES ----------
CONVERTING FROM OIL TO COAL OIL GAS OR WOODWASTE. COAL PRIMARILY

WHEN FIRING BARK, OIL, AND/OR GAS, UNIT 4 YIELDS 666 MMBTU/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION ST REGIS PAPER CO. CANTONMENT, FL ESCAMBIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-FL-041
DETERMINATION MADE BY FLORIDA DER (AGENCY) BOB KING (AGENCY CONTACT PERSON) (904)-488-1344 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/26/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BARK FIRED, #4	666.00 MMBTU/H				
		SO2	0.6400 LB/MMBTU		NSPS
				SCRUBBER	20.00
				LOW SULFUR FUEL	
		PM	0.1000 LB/MMBTU		NSPS
				CYC. VENTURI & WET SCRUBBER	99.20

NOTES ----------
SO2 LIMIT AT 100% OIL.

ORIGINALLY PERMITTED AS BARK FIRED, LATER PERMITTED TO BURN COAL, OIL, GAS, WOODWASTE. -- SEE ID FL-0002.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 01/25/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 814.00 MMBTU/H

COMPANY NAME/SITE LOCATION ST REGIS PAPER CO. BUCKSPORT, ME

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY MAINE DEP (AGENCY) ROBERT BALLEW (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/10/82
ESTIMATED DATE OF START-UP-- 1984
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL & BIOMASS HANDLING		PM	COVERED DELIVERY,CONVENING,STORAGE	
TEMP CONSTRUCTION ROADS		PM	DUST SUPPRESSION	
NEW ROADS		PM	PAVE & SWEEP	
EXISTING ROADS & PARKING		PM	SWEEP ALL PAVED ROADS	
ADJACENT TOWN OF BUCKSPORT ROADS			COOPERATIVE VENTURE-TOWN & CO.	

NOTES ----------
BACT TECHNOLOGY BASED FOR PM FOR BOILERS, 0.06 LB/MMBTU WOULD HAVE BEEN REQUIRED EXCEPT FOR SLUDGE CONTAINING CLAY THAT PROMPTED THE HIGHER 0.08 VALUE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 814.00 MMBTU/H

COMPANY NAME/SITE LOCATION ST. REGIS PAPER CO. BUCKSPORT, ME

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AEL-13-47
DETERMINATION MADE BY MAINE DEP (AGENCY) JOHN CHANDLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/20/82
ESTIMATED DATE OF START-UP--
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BIOMASS FUEL	814.00 MMBTU/H				
		PM	0.0800 LB/MMBTU	ESP	B/N 99.50
		SO2	1.2000 LB/MMBTU	0.8% S COAL	NSPS
		NOX			NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 659.00 MMBTU/H

COMPANY NAME/SITE LOCATION THE CHESAPEAKE CORP. WEST POINT, VA
KING WILLIAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 80VA03
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON) (215)-597-8186 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/07/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER,WOODWASTE	659.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				MULTIPLE CYCLONE & ESP	98.60
		SO2	0.8000 LB/MMBTU		NSPS
				LOW SULFUR FUEL	
		NOX	0.3000 LB/MMBTU		NSPS
				GOOD DESIGN AND OPERATION	
		CO	0.2300 LB/MMBTU		NSPS
				GOOD DESIGN AND OPERATION	
		VOC	0.2300 LB/MMBTU		NSPS
				GOOD DESIGN AND OPERATION	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 2300.00 ADTP/D

COMPANY NAME/SITE LOCATION UNION CAMP CORP. PRATTVILLE, AL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 201-0001-X008,0011 *
DETERMINATION MADE BY ALABAMA DEM (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON) (205)-834-6570 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/15/77
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, FOSSIL FUEL STEAM	534.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	ESP	99.70
		SO2	1.2000 LB/MMBTU		
		NOX	0.7000 LB/MMBTU		
		CO			
NO. 2 RECOVERY BOILER	1340.00 ADTP/D				
		PM	0.0440 GR/DSCF AT 8% O2	ESP	99.81
		TRS	5.0000 PPM AT 8% O2	LOW CDOR BOILER	
		SO2			
		NOX			
		CO			
NO. 2 SMELT DISSOLVING TANKS	1344.00 ADTP/D				
		PM	0.2000 LB/T BLS	WET SCRUBBER	
		TRS	0.0168 LB/T BLS		
		SO2			

(CONTINUED) UNION CAMP CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
NO. 2 LIME KILN	1460.00 ADTP/D	PM	0.0670 GR/DSCF AT 10% O2, GAS 0.1300 GR/DSCF AT 10% O2,FUEL OIL VENTURI WET SCRUBBER	
		SO2		
		NOX		
		CO		
		TRS	8.0000 PPM AT 10% O2	
EVAPORATORS		TRS	0.5000 SEC AT 1200 F INCINERATION	
DIGESTER		TRS	0.5000 SEC AT 1200 F INCINERATION	
BROWN SET WASHER		TRS	0.5000 SEC AT 1200 F INCINERATION	
COAL PREP	390.00 T/H	FUG*	WET SUPRESSION	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1055.00 MMBTU/H

COMPANY NAME/SITE LOCATION UNION CAMP CORP.
P.O. BOX 570
SAVANNAH, GA 31402
CHATHAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-GA-062
DETERMINATION MADE BY GEORGIA EPD (AGENCY)
BILL MITCHELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/01/80
ESTIMATED DATE OF START-UP--
(404)-656-6800 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/WOOD WASTE	1055.00 MMBTU/H				
		PM	0.0750 LB/MMBTU	ESP	BACT 99.50
		SO2	1.2000 LB/MMBTU	LOW SULFUR FUEL	NSPS
		NOX	0.7000 LB/MMBTU	BOILER DESIGN	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 2250.00 T/D

COMPANY NAME/SITE LOCATION UNION CAMP CORP. EASTOVER, SC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) P/C-40-128
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) DAVID FLEMING (AGENCY CONTACT PERSON) (803)-758-5406 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/25/82
ESTIMATED DATE OF START-UP-- 1992

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL/WOODWASTE	495.00 MMBTU/H	PM	0.1000 LB/MMBTU	ESP	99.98
		SO2	1.2000 LB/MMBTU	LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU		
		CO	0.1100 LB/MMBTU		
		VE	20.0000 % OPACITY		
BOILERS, COAL/WOODWASTE	581.00 MMBTU/H	PM	0.1000 LB/MMBTU	ESP	99.98
		SO2	1.2000 LB/MMBTU	LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU		
		CO	0.1100 LB/MMBTU		
		VE	20.0000 % OPACITY		
BOILERS, COAL/WOODWASTE	660.00 MMBTU/H	PM	0.1000 LB/MMBTU	ESP	99.98
		SO2	1.2000 LB/MMBTU	LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU		
		CO	0.1100 LB/MMBTU		

VE 20.0000 % OPACITY

(CONTINUED) UNION CAMP CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KRAFT RECOVERY BOILER	2.30 MM LB/D BLS	PM	0.0440	GR/DSCF ESP AT 8% O2	
		SO2	230.0000	PPMV DRY T	
		NOX	210.0000	PPMV DRY T	
		CO	2.0000	LB/T ADP	
		TRS	5.0000	PPMV DRY T AT 8% O2	
KRAFT RECOVERY BOILER	2.60 MM LB/D BLS	PM	0.0440	GR/DSCF ESP AT 8% O2	
		SO2	230.0000	PPMV DRY T	
		NOX	210.0000	PPMV DRY T	
		CO	2.0000	LB/T ADP	
		TRS	5.0000	PPMV DRY T AT 8% O2	
KRAFT RECOVERY BOILER	2.90 MM LB/D BLS	PM	0.0440	GR/DSCF ESP AT 8% O2	
		SO2	230.0000	PPMV DRY T	
		NOX	210.0000	PPMV DRY T	
		CO	2.0000	LB/T ADP	
		TRS	5.0000	PPMV DRY T AT 8% O2	
LIME KILN	205.00 T/D (SEE NO*	PM	0.1300	GR/DSCF WET SCRUBBER AT 10% O2	
		SO2	0.2000	LB/T ADP	
		NOX	0.8500	LB/MMBTU	
		CO	8.0000	PPMV DRY T AT 10% O2	
		TRS	10.0000	LB/T ADP	

(CONTINUED) UNION CAMP CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME KILN	230.00 T/D (SEE NO*				
		PM	0.1300	GR/DSCF WET SCRUBBER AT 10% O2	
		SO2	0.2000	LB/T ADP	
		NOX	0.8500	LB/MMBTU	
		CO	8.0000	PPMV DRY T AT 10% O2	
		TRS	10.0000	LB/T ADP	
LIME KILN	255.00 T/D (SEE NO*				
		PM	0.1300	GR/DSCF WET SCRUBBER AT 10% O2	
		SO2	0.2000	LB/T ADP	
		NOX	0.8500	LB/MMBTU	
		CO	8.0000	PPMV DRY T AT 10% O2	
		TRS	10.0000	LB/T ADP	

NOTES ----------
THIS DETERMINATION ALSO APPLIES TO PERMIT NUMBERS P/C-40-131,P/C-40-132, P/C-40-134, AND P/C-40-136. LIME KILN UNITS- T/D OF R
EBURNED LIME AS 85% COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 1500.00 T/D ADP

COMPANY NAME/SITE LOCATION WESTVACO CORP.
P.O. BOX 5207
NORTH CHARLESTON, SC 29406
CHARLESTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SC-037
DATE OF PERMIT ISSUANCE-- 02/24/81
ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) OTTO PEARSON (AGENCY CONTACT PERSON) (803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
#10 RECOVERY BOILER	187500.00 LB/H BLS				
		SO2	250.0000 PPM	LIMIT OF 30% SULFIDITY IN BLACK LIQUOR	BACT
		NOX	0.2500 LB/MMBTU	BOILER DESIGN	BACT
		PM	0.0270 GR/DSCF	ESP	BACT
		TRS	0.0168 LB/T BLS	EQUIPMENT OPERATION	NSPS
POWER BOILER (COAL)	1207.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	CYCLONE FOLLOWED BY ESP	NSPS 99.00
		SO2	1.2000 LB/MMBTU	LOW S COAL	NSPS
		NOX	0.7000 LB/MMBTU	EQUIPMENT OPERATION	NSPS

NOTES ----------
TSP,TRS,CO AND HC NOT SUBJECT TO PSD. THE NEW BOILER IS A REPLACEMENT FOR 3 EXISTING BOILERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	04/02/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 600.00 ADT

COMPANY NAME/SITE LOCATION WESTVACO CORP. - FINE PAPERS DIV. P.O. BOX 278 WICKLIFFE, KY 42087

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-77-123
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/30/78
ESTIMATED DATE OF START-UP-- 1979
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BARK	463.00 MMBTU/H	PM	0.1000 LB/MMBTU 46.3000 LB/H	ESP, MULTIPLE CYCLONE	BACT 99.80
		SO2	1.2000 LB/MMBTU SEE NOTE #1 469.6000 LB/H		BACT
		NOX	0.3000 LB/MMBTU LIQ. FUEL 0.7000 LB/MMBTU SOLID FUEL	COMBUSTION CONTROL, SEE NOTE #2	N/B 45.00
FUEL HANDLING SYSTEM		PM	20.0000 LB/H	HANDLING CONTROLS	90.00

NOTES ----------
HEAT INPUT RATES VARIES DEPENDING ON FUEL TYPE. NOTE #1 - 0.8 LB/MMBTU ALLOWABLE SO2 WHEN FIRING FUEL OIL ONLY. NOTE #2 - 2 ST AGE COMBUSTION. ESP REPLACED UNDER C-79-144.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDI. -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 186000.00 T/YR

COMPANY NAME/SITE LOCATION WEYERHAEUSER CO. COLUMBUS, MS 39701
P.O. BOX 2288 LOWNDES COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 05/22/80
PERMIT NO. PSD-MS-027 ESTIMATED DATE OF START-UP-- 1983
DETERMINATION MADE BY MISSISSIPPI DNR (AGENCY) DWIGHT WILEY (AGENCY CONTACT PERSON) (601)-354-2550 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POWER BOILER, COMBUSTION FUEL	762.00 MMBTU/H				
		PM	0.1000	LB/MMBTU	NSPS
				CYCLONE FOLLOWED BY ESP	99.00
		SO2	1.2000	LB/MMBTU COAL	NSPS
			0.8000	LB/MMBTU OIL	
				0.72% S COAL/1.3% S OIL	
		NOX	0.7000	LB/MMBTU COAL	NSPS
			0.3000	LB/MMBTU OIL	
				EQUIPMENT OPERATION	
RECOVERY BOILER, KRAFT MILL	155.00 T/H BLS				
		PM	0.0440	GR/DSCF	NSPS
				ESP	99.50
		SO2	100.0000	PPM	BACT
				OPERATION OF EQUIPMENT	
		NOX	70.0000	PPM	BACT
				EQUIPMENT OPERATION	
		TRS	5.0000	PPM	NSPS
				EQUIPMENT OPERATION	
LIME KILN	21.00 T/H				
		PM	0.1300	GR/DSCF	NSPS
				WET SCRUBBER	99.20
		SO2	50.0000	PPM	BACT

		EQUIPMENT OPERATION	
NOX	100.0000	PPM	BACT
		EQUIPMENT OPERATION	
TRS	8.0000	PPM	NSPS
		EQUIPMENT OPERATION	

(CONTINUED) WEYERHAEUSER CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SMELT TANK	75.00 T/H OF MOLT*				
		PM	0.2000 LB/T BLS	WET SCRUBBER	NSPS 85.00
		SO2	50.0000 PPM	EQUIPMENT OPERATION	BACT
		TRS	0.0168 LB/T BLS	EQUIPMENT OPERATION	NSPS

NOTES ----------
THERMO MECHANICAL PULP MILL - 185 T/D. KRAFT PULP MILL - 1200 T/D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 384.00 T/D

COMPANY NAME/SITE LOCATION WEYERHAEUSER CO. LONGVIEW, WA 98632

DETERMINATION IS B/L FOR A MODIFIED SOURCE.
PERMIT NO. DE 84-133
DETERMINATION MADE BY WASHINGTON DOE (AGENCY) GEORGE HOUCK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/17/84
ESTIMATED DATE OF START-UP-- 1986
(206)-459-6032 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, LIME	384.00 T/D LIME				
		PM	0.0350	GR/DSCF GAS, CORRECTED TO 10% O2	LAER
			0.0700	GR/DSCF OIL, CORRECTED TO 10% O2	
				ESP	99.83
		TRS	8.0000	PPM 12H AV, CORRECTED TO 10% O2	LAER
		VE	25.0000	% OPACITY	LAER
FURNACE, RECOVERY	4.50 MMLB/D BLS				
		PM	0.0600	GR/DSCF CORRECTED TO 8% O2	BACT
				ESP	
		TRS	5.0000	PPM 12H AV, CORRECTED TO 8% O2	BACT
		VE	35.0000	% OPACITY	BACT
VENT, SMELT TANK					
		PM	0.2680	LB/T BLS	BACT
				3 DEMISTER PADS IN SERIES	
				WATER SPRAY	
		TRS	0.0168	LB/T BLS	BACT
		VE	35.0000	% OPACITY	BACT

NOTES ----------
FURNACE FIRING RATE WILL INCREASE FROM NAMEPLATE DESIGN OF 3.6 MMLB/D BLS TO A NOMINAL 4.5 MMLB/D BLS. FURNACE CONFIGURATION W ILL CHANGE. NO CHANGE TO CONTROL EQUIPMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 600.00 T/H

COMPANY NAME/SITE LOCATION WILLAMETTE INDUSTRIES, INC.
P.O. BOX 130
HAWESVILLE, KY 42348
HANCOCK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. KY-162
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/03/80
ESTIMATED DATE OF START-UP--
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE	540.00 T/H	PM	0.0400 GR/DSCF	ESP	BACT 99.50

NOTES ----------
PERMIT HAS EXPIRED. NEW CONSTRUCTION PERMIT APPLICATION FOR SAME RECOVERY FURNACE UNDER REVIEW. ALSO PERMIT NUMBER C-80-139.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 400.00 MMBTU/H

COMPANY NAME/SITE LOCATION WILLAMETTE INDUSTRIES, INC.
P.O. BOX 130
HAWESVILLE, KY 42348
HANCOCK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. KY-146
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY)
BILL DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/02/80
ESTIMATED DATE OF START-UP-- 1981
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOODWASTE	400.00 MMBTU/H				
		PM	0.0400 GR/DSCF	MULTICLONES/VENTURI SCRUBBER	BACT 99.30
		SO2	0.3150 LB/MMBTU		BACT
		NOX	0.4000 LB/MMBTU	BOILER DESIGN	BACT

NOTES ----------
THE EMISSION LIMIT FOR PM IS APPROX. 0.075 LB/MMBTU. ALSO PERMIT NUMBER C-80-24.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- KRAFT PULP MILLS 120000.00 T/YR

COMPANY NAME/SITE LOCATION WILLAMETTE INDUSTRIES, INC. HAWESVILLE, KY 42348
P.O. BOX 130 HANCOCK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-80-24
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) BILL DILLS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/30/80
ESTIMATED DATE OF START-UP-- 1981
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS		CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD WASTE BOILER	400.00 MMBTU/H					
		SO2	0.3150	LB/MMBTU	LOW S FUEL	BACT
		NOX	0.7000	LB/MMBTU NOTE#1	COMBUSTION CONTROL	BACT
		PM	0.0400	GR/DSCF	MULTICLONE/VENTURI	BACT 99.30
LIME KILN	175.00 T/D PROD.					
		SO2	5.0300	LB/H		BACT
		PM	0.1500	GR/DSCF	VENTURI	BACT 99.20

NOTES ----------
FOMERALY WESCOR CORP. NOTE #1 - ALLOWABLE = 0.2 LB/MMBTU IF GAS/WOOD COMBUSTION USED

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT) 337.20 MMBTU/H

COMPANY NAME/SITE LOCATION APPLETON PAPERS, INC. LOCKSMILL, WI COMBINED LOCKS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. MAA-10-SJK-83-45-054
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) STEVE KLAFKA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/06/83
ESTIMATED DATE OF START-UP--
(608)-267-7540 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER STACK	250000.00 LB/H STEAM	PM	0.1000 LB/MMBTU	ESP	98.00
		SO2	1.1200 LB/MMBTU	ESP	
		NOX	0.7000 LB/MMBTU	ESP	
		CO	0.1000 LB/MMBTU	ESP	
		VOC	9.9500 LB/H 42.0000 T/YR	ESP	
		HG		ESP	BACT 95.00
		VE	20.0000 % OPACITY		
DIRT ROADS & STOCKPILES		PM		APPLY ASPHALT,OIL,H2O,CHEM.,PLASTIC COVER	
INSTALLATION		PM		BAGHOSE USE HOODS,FANS,& ENCLOSURES	

(CONTINUED) APPLETON PAPERS, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROADWAYS & PARKING LOTS		PM		PAVING & MAINTENANCE	

NOTES ----------
SULFUR CONTENT OF COAL 0.56 LB/MMBTU. FEED RATES -- COAL W/WOOD BARK - 2830. LB/H MAX OF BARK. COAL W/WASTEWATER TREATMENT SLUDGE - 5580. LB/H
MAX OF SLUDGE. EXISTING GASOLINE BOILERS SHALL NOT OPERATE SIMULTANEOUSLY W/COAL BOILER. BOILER SHALL HAVE ESP TO CONTROL BE & PB EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT) 400.00 MMBTU/H

COMPANY NAME/SITE LOCATION AUGUSTA NEWSPRINT CO. AUGUSTA, GA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2621-121-8497
DETERMINATION MADE BY GEORGIA EPD (AGENCY) DAVID WEAVER (AGENCY CONTACT PERSON) (404)-656-4867 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/04/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	400.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	VENTURI SCRUBBER	NSPS 97.60
		SO2	0.8000 LB/MMBTU 298.0000 LB/H	VENTURI SCRUBBER	20.00
		NOX	0.3000 LB/MMBTU BARK/OIL 0.2000 LB/MMBTU BARK/GAS	FURNACE, BURNER DESIGN	NSPS

NOTES ----------
UPPER LIMIT ON SO2 NEEDED TO PROTECT CLASS II INCREMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION BEAR ISLAND PAPER CO. ASHLAND, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 50840
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) PAUL PITTS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/28/82
ESTIMATED DATE OF START-UP--
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD/COAL FUEL	469.00 MMBTU/H				
		PM	205.0000 T/YR	WOOD FUEL	NSPS
			174.0000 T/YR	COAL FUEL	
				CYCLONE & ESP	99.00
		SO2	1638.0000 T/YR	WOOD FUEL	NSPS
			2092.0000 T/YR	COAL FUEL	
				0.7 % SULFUR COAL	
		NOX	1210.0000 T/YR	WOOD FUEL	NSPS
			1210.0000 T/YR	COAL FUEL	

NOTES ----------
PM LIMIT BURNING WOOD & COAL TOGETHER IS 0.1 LB/MMBTU INPUT. SIMILAR LIMIT FOR SO2 IS 1.2 LB/MMBTU. THE LIMIT FOR NOX IS 0.7 L
B/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT) 170.00 MMBTU/H

COMPANY NAME/SITE LOCATION CAROLINA FOREST INDUSTRIES, INC. BENNETTSVILLE, SC
MARLBORO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-SC-039
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) OTTO PEARSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/25/81
ESTIMATED DATE OF START-UP--
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BARK/WOODWASTE	172.00 MMBTU/H				
		PM	0.2500 LB/MMBTU		BACT
			43.0000 LB/H		
				MECHANICAL COLLECTOR/ESP	98.00
		NOX	1.1900 LB/MMBTU		BACT
			205.0000 LB/H		
				EQUIPMENT OPERATION & DESIGN	
BOILERS, COAL FIRED, 2	311.00 MMBTU/H EA				
		PM	62.2000 LB/H		BACT
			271.8000 T/YR		
				ESP	99.00
		SO2	746.4000 LB/H		BACT
			3260.4000 T/YR		
				LOW S COAL	
		NOX	435.4000 LB/H		BACT
			1901.8000 T/YR		
				BOILER DESIGN	
		CO	25.6000 LB/H		BACT
			111.8000 T/YR		
				EQUIPMENT OPERATION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/02/1984

NOTES ----------
THREE UNITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

	INITIAL REVIEW	POST STARTUP
REVIEW STATUS:	04/01/1983	04/02/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT) 150000.00 LB/H

COMPANY NAME/SITE LOCATION FLAMBEAU PAPER CORP. PARK FALLS, WI

DETERMINATION IS B/L FOR A MODIFIED SOURCE.
PERMIT NO. MAA-10-CWB-81-51-026
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) EMILIA ESTRADA (AGENCY CONTACT PERSON) (608)-266-0244 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/28/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
80/20 WOOD/COAL BOILER	249.00 MMBTU/H				
		SO2	1.2000 LB/MMBTU 0.78 % S. MAX		LAER
		NOX	0.7000 LB/MMBTU	BURNER MODIFICATION	BACT
		PM	0.0800 LB/MMBTU WOOD/COAL 0.1000 LB/MMBTU COAL	MULTICYCLONE & VENTURI SCRUB.	BACT 99.00
COAL PREP. HOUSE, STACK		PM	0.1000 LB/MLB EXHAUST GAS	BAGHOUSE	BACT 99.70
COAL BUNKER STACK		PM	0.1000 LB/MLB EXHAUST GAS	BAGHOUSE	BACT 99.70
WOOD PREP. BUILDING STACK		PM	0.2000 LB/MLB EXHAUST GAS	BAGHOUSE	BACT 99.70
WOOD STORAGE BIN STACK		PM	0.2000 LB/MLB EXHAUST GAS	BAGHOUSE	BACT 99.70

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

MAJOR MODIFICATION SUBJECT TO PSD, BACT REQUIRED. DUE TO SO2 PROBLEM IN AREA, LAER IS REQUIRED FOR SO2. BOILER IS A MAJOR ATTA
INMENT AREA NOX SOURCE AND BACT IS APPLIED FOR NOX.

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION FORT HOWARD PAPER CO. MUSKOGEE, OK
MUSKOGEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-OK-404
DETERMINATION MADE BY EPA REGION VI (AGENCY) BILL TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/21/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAPER MACHINE	48.00 MMBTU/H				
		NOX	0.3000 LB/MMBTU OIL		BACT
			0.1200 LB/MMBTU GAS		
				LOW NOX BURNERS	
		CO	0.0350 LB/MMBTU OIL		BACT
			0.0170 LB/MMBTU GAS		
				EFFICIENT OPERATION	
		SO2	0.3650 LB/MMBTU OIL		BACT
			0.0002 LB/MMBTU GAS		
				LOW SULFUR OIL	
		PM	0.0150 LB/MMBTU OIL		BACT
			0.0060 LB/MMBTU GAS		
				NORMAL OPERATION	
		VOC	0.0080 LB/MMBTU OIL		BACT
			0.0040 LB/MMBTU GAS		
				EFFICIENT OPERATION.	
BOILER	557.00 MMBTU/H				
		NOX	0.7000 LB/MMBTU COAL		BACT
			0.3000 LB/MMBTU OIL		
				LOW NOX BURNERS	
		NOX	0.2000 LB/MMBTU GAS		BACT
		CO	0.0600 LB/MMBTU COAL		BACT

	0.0340	LB/MMBTU OIL	
		EFFICIENT OPERATION	
CO	0.0170	LB/MMBTU GAS	BACT
SO2	1.2000	LB/MMBTU COAL	BACT
	0.7340	LB/MMBTU OIL	
		LOW SULFUR OIL & COAL	
SO2	0.0010	LB/MMBTU GAS	BACT
PM	0.1000	LB/MMBTU COAL	BACT
	0.0680	LB/MMBTU OIL	
		BAGHOUSE	99.20
PM	0.0050	LB/MMBTU GAS	BACT
VOC	0.0170	LB/MMBTU GAS	
	0.0070	LB/MMBTU OIL	
		EFFICIENT OPERATION	
VOC	0.0030	LB/MMBTU GAS	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION FORT HOWARD PAPER CO.
HAROLD ABITZ DRIVE
MUSKOGEE, OK 54305
MUSKOGEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-OK-375
DETERMINATION MADE BY EPA REGION VI (AGENCY)
JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/21/81
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	400.00 MMBTU/H				
		NOX	0.2000 LB/MMBTU N. GAS	WATER INJECTION	BACT
		PM	0.1100 LB/MMBTU N. GAS	NORMAL OPERATION	BACT
		SO2	0.0008 LB/MMBTU N. GAS	LOW SULFUR FUEL	BACT
		VOC	0.1200 LB/MMBTU N. GAS	NORMAL OPERATION	BACT
		CO	0.6800 LB/MMBTU N. GAS	NORMAL OPERATION	BACT
		NOX	0.2800 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT
		PM	0.1100 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT
		SO2	0.7500 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT
		VOC	0.0300 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT
		CO	0.7500 LB/MMBTU #2 OIL	NORMAL OPERATION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

ID NUMBER CR-0005

SOURCE TYPE CODE 10.2

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION MACMILLAN BLOEDAL — PINE HILL, AL 36769
ALABAMA HIWAY 10 — WILCOX COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AL-063
DETERMINATION MADE BY ALABAMA APCD (AGENCY) — SUE ROBERTSON (AGENCY CONTACT PERSON) — (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/30/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY BOILER	960.00 MMBTU/H				
		PM	0.0440	GR/DSCF AT 8% O2	NSPS
				ESP	99.00
		SO2	2339.0000	T/YR	NSPS
				BOILER DESIGN	
		CO	12325.0000	T/YR	NSPS
				EQUIPMENT OPERATION	
		NOX	902.0000	T/YR	NSPS
				EQUIPMENT OPERATION	
		TRS	5.0000	PPM AT 8% O2	NSPS
				EQUIPMENT OPERATION	
POWER BOILER	770.00 MMBTU/H				
		PM	0.1000	LB/MMBTU	NSPS
				ESP	99.00
		SO2	1.2000	LB/MMBTU	NSPS
				BOILER DESIGN	
		CO	114.0000	LB/H	NSPS
				EQUIPMENT OPERATION	
		NOX	0.7000	LB/MMBTU	NSPS
				EQUIPMENT OPERATION	

(CONTINUED) MACMILLAN BLOEDAL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SMELT TANK	87.00 T/H BLS				
		PM	0.2000	LB/T BLS	NSPS
				SCRUBBER	96.00
		SO2	41.0000	T/YR	NSPS
				EQUIPMENT OPERATION	
		TRS	0.0168	LB/T BLS	NSPS
				EQUIPMENT OPERATION	
DIGESTERS					
		TRS	0.5000	SEC AT 1200 F	
				INCINERATION	
EVAPORATORS					
		TRS	0.5000	SEC AT 1200 F	
				INCINERATION	
WASHERS					
		TRS	0.5000	SEC AT 1200 F	
				INCINERATION	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE PAPER PRODUCTS CO., FO* GREEN BAY, WI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. MAN-14-YPD-83-05-501
DETERMINATION MADE BY WISCONSIN DNR (AGENCY) YESHAVANT DESAI (AGENCY CONTACT PERSON) (414)-497-4062 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/22/83
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LOAD BARK SILO		PM	0.0600 LB/H	UNCONTROLLED BAGHOUSE,PULSE,JET-CLEAN	99.80
PROCESS FLYASH COLLECTOR		PM	151.0000 LB/H	BAGHOUSE	LAER 99.98
CONTROL FLYASH FROM COMBUSTOR		PM	105.0000 LB/H	BAGHOUSE	LAER 99.98

NOTES ----------
BARK INCLUDES SAWDUST AND FINES FROM PULPING OPERATION. TOTAL PM FROM BAGHOUSE EQUALS 0.224 T/YR ACTUAL, 1.474 T/YR ALLOWABLE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION SUNBELT FOREST PRODUCTS CORP. BOLIGEE, AL
GREENE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-AL-073
DETERMINATION MADE BY ALABAMA APCD (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/20/81
ESTIMATED DATE OF START-UP-- 1983
(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL, UNIT#2	470.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				MULTICLONE & SCRUBBER	99.00
		SO2	1.2000 LB/MMBTU		NSPS
				CAUSTIC SCRUBBER	73.00
		NOX	0.7000 LB/MMBTU		NSPS
				EQUIPMENT DESIGN & OPERATION	
BOILER, COAL, UNIT#3	250.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				MULTICLONE & SCRUBBER	99.00
		SO2	1.2000 LB/MMBTU		NSPS
				CAUSTIC SCRUBBER	73.00
		NOX	0.7000 LB/MMBTU		NSPS
				EQUIPMENT DESIGN & OPERATION	
BOILER, COAL, UNIT #1	480.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				MULTICLONE & SCRUBBER	99.00
		SO2	1.2000 LB/MMBTU		NSPS
				CAUSTIC SCRUBBER	73.00
		NOX	0.7000 LB/MMBTU		NSPS
				EQUIPMENT DESIGN & OPERATION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- HARDBOARD

COMPANY NAME/SITE LOCATION ABI TIBI CORP. ROARING RIVER, NC WILKES COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. NC 076
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/25/81
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD FIRED BOILER	120000.00 LB/H STEAM	PM	0.1000 LB/MMBTU	VENTURI SCRUBBER & MULTICLONE	NSPS 98.20
		SO2	33.0300 LB/H 145.0000 T/YR	LOW S FUEL	
		CO	44.0400 LB/H 192.9000 T/YR	EQUIPMENT OPERATION	NSPS
		NOX	35.2300 LB/H 154.3000 T/YR	EQUIPMENT OPERATION	NSPS

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- PLYWOOD PLANTS 88.00 MMBTU/H

COMPANY NAME/SITE LOCATION EVERGREEN FOREST PRODUCTS TAMARACK, ID

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY IDAHO AQB (AGENCY) CLINT AYER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/30/82
ESTIMATED DATE OF START-UP-- 1983
(208)-334-5360 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD FIRED	88.00 MMBTU/H				
		PM	21.2200 LB/H	2 STAGED MULTICLONES	96.00
		CO	17.5600 LB/H SEE NOTE		
		NOX	17.5600 LB/H SEE NOTE		

NOTES ----------
NOTE - CO & NOX PREDICTIONS BASED ON AP-42.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- PLYWOOD PLANTS

COMPANY NAME/SITE LOCATION KIRBY FOREST INDUSTRIES SILSBEE, TX HARDIN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-TX-280
DETERMINATION MADE BY EPA REGION VI (AGENCY) BILL TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/09/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, FBD WOOD WASTE FIRE	70000.00 LB/H	PM	10.7000 LB/H	SCRUB. IN SERIES W/SCRUB.	95.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- PLYWOOD PLANTS 145.00 MMBTU/H

COMPANY NAME/SITE LOCATION ULTRASYSTEMS INC. BURNEY, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 82-PO-32
DETERMINATION MADE BY SHASTA COUNTY APCD (AGENCY) RICHARD BOOTH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/06/82
ESTIMATED DATE OF START-UP-- 1984
(916)-246-5674 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	150000.00 LB/H STEAM				
		PM	0.0350 GR/DSCF	MULTICLONE & VENTURI SCRUBBER	98.00
		NOX	139.0000 T/YR	COMBUSTION PARAMETER CONTROL	40.00
		CO	126.0000 T/YR	COMBUSTION PARAMETER CONTROL	98.00
		VOC	55.0000 T/YR	COMBUSTION PARAMETER CONTROL	76.00
		SOX	21.0000 T/YR		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- WOODWORKING

COMPANY NAME/SITE LOCATION BROYHILL FURNITURE MARION, NC
MCDOWELL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-068
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP-- 1980
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOODWORKING	90.00 BOARD F/MIN.	PM	0.2950 LB/H 1.3000 T/YR	BAGHOUSE	BACT 99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- WOODWORKING

COMPANY NAME/SITE LOCATION BROYHILL FURNITURE NEWTON, NC CATAWBA COUNTY

DETERMINATION IS BACT
PERMIT NO. NC-063
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP-- 1980

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOODWORKING BOOTHS		PM	9.0000 LB/H	BAGHOUSE	BACT 99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 313.00 MMBTU/H

COMPANY NAME/SITE LOCATION AUSTELL BOX BOARD CO.
WASHINGTON ST. AUSTELL, GA 30001

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2631-033-7994-C
DETERMINATION MADE BY GEORGIA EPD (AGENCY) W. FARRISEE (AGENCY CONTACT PERSON) (404)-656-4867 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/29/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	313.00 MMBTU/H				
		PM	0.1000 LB/MMBTU	BAGHOUSE	NSPS
		SO2	1.2000 LB/MMBTU	SPRAY DRYER-ATOMIZED CA(OH)2	99.50 NSPS
		CO	0.7000 LB/MMBTU	FURNACE, BURNER DESIGN	70.00 NSPS
		VOC		FURNACE, BURNER DESIGN	
		NOX		FURNACE, BURNER DESIGN	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION BURLINGTON IND. HIGH POINT, NC

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. NC-036
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER					
		PM	0.6000 LB/H		BACT
				BAGHOUSE	
				CLOSED LOOP BOILER FEED SYSTEM	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION CROWN WOOD PRODUCTS MOCKSVILLE, NC DAVIE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 4819
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-6126 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/28/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD-FIRED	22.30 MMBTU/H	VOC	917.0000 T/YR	NO CONTROL	BACT

NOTES ----------
BOILER VOC LIMIT BASED ON AP-42 EMMISSION FACTOR AND PERMIT STIPULATION LIMITING WOOD USAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

ID NUMBER NC-0022

SOURCE TYPE CODE 10.6

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 15.00 T/H

COMPANY NAME/SITE LOCATION EAGLE ENERGY ST MARIES, ID

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY IDAHO AQB (AGENCY) CLINT AYER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/15/83
ESTIMATED DATE OF START-UP-- 1983
(208)-334-5360 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD DRYING & COMBUSTION	12.00 MMBTU/H SEE*	PM	24.0000 LB/H	CYCLONE/WET SCRUBBER	98.

NOTES ----------
NOTE - BURN 0.4 T/H WET WOOD, 0.4 T/H DRY WOOD

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 165000.00 LB/H

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. DUDLEY, NC

WAYNE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NC-061
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/07/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD WASTE BOILER & ROTARY AND	* 165000.00 LB/H	PM	246.0000 T/YR	BAGFILTERS,CYC,& VENTURI SCRUB	BACT 99.87

NOTES ----------
MULTIPLE SMALL EMISSION POINTS WITH LIMITS OF 0.05 TO 31.0 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. DUDLEY, NC
WAYNE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 4923
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON) (919)-733-6126 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/01/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, SANDERDUST FUEL	10000.00 LB/H				
		PM	30.0000 LB/H SEE NOTE		BACT
				CYCLONES, ESP	99.92
		VE			BACT
				CYCLONES, ESP	99.92
		ORG*			BACT
				CYCLONES, ESP	99.92
DRYERS, ROTARY WOODFLAKE (GREEN)	80000.00 LB/H				
		PM	30.0000 LB/H SEE NOTE		BACT
				CYCLONES, ESP	99.92
		VE			BACT
				CYCLONES, ESP	99.92
		ORG*			BACT
				CYCLONES, ESP	99.92

NOTES ----------
CONSTITUTES A REDETERMINATION. CYCLONES COULD NOT MEET PARTICULATE OR VISIBLE EMISSION LIMITATIONS. ESP APPLICATION TO WOODFLA
KE DRYER PROCESS APPROACHES INNOVATIVE TECHNOLOGY. NOTE- ONE LIMIT FOR FUEL COMBUSTION AND PROCESS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
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SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION HOOKER FURNITURE CORP. ROANOKE, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 20523
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) RENALDO JENKINS (AGENCY CONTACT PERSON) (804)-786-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/16/82
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WOOD/COAL BOILER	20.00 MMBTU/H	PM	0.3000 LB/MMBTU MULTICLONE	90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 150.00 MMBTU/H

COMPANY NAME/SITE LOCATION HUDSON LUMBER CO. ANDERSON, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 81-PO-17
DETERMINATION MADE BY SHASTA COUNTY APCD (AGENCY) RICHARD BOOTH (AGENCY CONTACT PERSON) (916)-246-5674 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/05/81
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	90000.00 LB/H STEAM				
		PM	0.0350 GR/DSCF	MULTICLONE & VENTURI SCRUBBER	98.00
		NOX	30.0000 LB/H 8H AV	COMBUSTION PARAMETER CONTROL	40.00
		SOX			
		CO	2.0000 LB/T FUEL	COMBUSTION PARAMETER CONTROL	98.00
		VOC		COMBUSTION PARAMETER CONTROL	76.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO. GURDON, AR

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-463AR-1
DETERMINATION MADE BY ARKANSAS DPC (AGENCY) MIKE PORTA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/25/83
ESTIMATED DATE OF START-UP--
(501)-562-7444 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, WOOD WASTE, #1 & #2					
		PM	25.0000 LB/H, EA	SCRUBBER	
		CO	200.0000 LB/H, EA	EFFICIENT BOILER OPERATION	

NOTES ----------
THE CO RATE WAS ORIGINALLY 32.5 LB/H BUT WAS RAISED TO 200 LB/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 240.00 T/D

COMPANY NAME/SITE LOCATION J.M. HUBER CORP. EASTON, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY MAINE DEP (AGENCY) ROBERT BALLEW (AGENCY CONTACT PERSON) (207)-289-2437 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/25/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYERS, 2	240.00 T/D				
		PM	2.4800 LB/T WAFER BD	HIGH EFF. CYCLONES	BACT
DRYERS PLUS BOILER, COMMON STAC*	240.00 T/D				
		VE	20.0000 % OPACITY FOR 15 MIN/3 H		BACT
WOOD BOILER	84.00 MMBTU/H				
		PM	0.1200 LB/MMBTU	MULTICLONES	BACT
		SO2	100.0000 LB/H 1000.0000 LB/D		BACT
		SO2	50.0000 T/YR		BACT
BLDG VENT SYSTEM					
		PM			BACT
				BAGHOUSES	99.90

NOTES ----------
DRYERS & BOILER IN COMMON STACK FOR VE CONCERN. FUGITIVE EMISSIONS CONTROLLEDBY 1)VEGETATION OF ALL PLANT PROPERTY NOT IN ACTI VE USE. 2)THE USE OF PAVED OR GRAVEL ROAD. 3)PAVING OR SURFACTANTS IF GRAVEL ROAD FAILS TO ADEQUATELY CONTROL FUGITIVE EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 240.00 T/D

COMPANY NAME/SITE LOCATION LOUISIANA-PACIFIC CORP. NEW LIMERICK, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY MAINE DEP (AGENCY) ROBERT BALLEW (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/27/82
ESTIMATED DATE OF START-UP-- 1982
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
NO. 1 WOOD BOILER	24.60 MMBTU/H				
		PM	0.1500 LB/MMBTU	ESP	BACT
		SO2		NO. 2 FUEL OIL ONLY	BACT
NO. 2 WOOD BOILER	24.60 MMBTU/H				
		PM	0.1500 LB/MMBTU	ESP	BACT
NO. 1 WOOD FIRED DRYER	36.40 MMBTU/H				
		PM	1.8400 LB/T WAFER BD	CYCLONE	BACT
		SO2		NO. 2 FUEL START UP ONLY	BACT
NO. 2 WOOD FIRED DRYER	36.40 MMBTU/H				
		PM	1.8400 LB/T WAFER BD	CYCLONE	BACT
		SO2		NO. 2 FUEL START UP ONLY	BACT

(CONTINUED) LOUISIANA-PACIFIC CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PNEUMATIC TRIM & FINES COLL. SYS		PM	CYCLONE, BAGHOUSE	BACT 99.90
FUGITIVE EMISSIONS		PM	PAVING/GRAVELLING/VEGETATE/SURFACTANTS	

NOTES ----------

INITIAL REVIEW POST STARTUP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 94.60 MMBTU/H

COMPANY NAME/SITE LOCATION MIAMI PAPER CORP. WEST CARROLLTON, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 0857190134 B002, B0*
DETERMINATION MADE BY RAPCA - DAYTON,OH (AGENCY) GORBY LEE (AGENCY CONTACT PERSON) (513)-225-4435 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/25/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STOKER BOILER, 2	47.30 MMBTU/H EA				
		PM	0.1500 LB/MMBTU	WET SCRUBBER	97.10
		SO2	1.6000 LB/MMBTU	WET SCRUBBER	23.60

NOTES ----------
BOTH COAL BOILERS ARE CONTROLLED BY A SINGLE SLY MANUFACTURING WET SCRUBBER. SO2 EMISSIONS REDUCTIONS WERE QUANTIFIED FOR A PO SSIBLE PERCENT SULFUR COAL CREDIT, THEREBY ALLOWING THIS COMPANY TO BURN SLIGHTLY HIGHER SULFUR CONTENT COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 60.00 MMBTU/H

COMPANY NAME/SITE LOCATION NATICK PAPERBOARD NATICK, MA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 24-119-MA-13
DETERMINATION MADE BY EPA REGION I (AGENCY) SARAH SIMON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/30/81
ESTIMATED DATE OF START-UP--
(617)-223-4448 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER,REPLACEMENT,OIL-FIRED	60.13 MMBTU/H				
		SO2	145.9400 LB/H 2.2% S		BACT
		PM	0.1000 LB/MMBTU		

NOTES ----------
2.2% S FUEL ASSUMED. 142000 BTU/GAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION PACKAGING CORP. OF AM FILER CITY, MI
MANISTEE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 681-80
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) GREGORY EDWARDS (AGENCY CONTACT PERSON) (517)-322-1333 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/16/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2 TOTAL	325000.00 LB/H				
		PM	0.1000 LB/MLB EXHAUST	BAGHOUSE CORRECTED TO 50% AIR	99.90
		SO2	1.6700 LB/MMBTU 24H AV	1% S COAL	

NOTES ----------
CONVERSION OF BOILER BACK TO COAL FIRING

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE PAPER PRODUCTS SOUTH BOSQUE, TX MCLENNAN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-TX-89
DETERMINATION MADE BY EPA REGION VI (AGENCY) JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/01/80
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TISSUE ROLL CUTTING MACHINES, 3		PM	0.2700 LB/H EA	WET SCRUBBER	99.00
TISSUE CUTTING MACHINE, 1		PM	0.1500 LB/H	WET SCRUBBER	99.00
CELLULOSE PAD FORMATION MACHINE*		PM	0.1200 LB/H EA	BAGHOUSE	99.50
PLASTIC TRIMING OPERATION		PM	5.0000 LB/H	CYCLONE & FILTERS	99.50
TURBINE, GAS, 2	350.00 MMBTU/H EA	PM	20.4000 LB/H EA	LOW ASH FUEL	
		SO2	144.0000 LB/H EA	0.4% S FUEL OIL	
		NOX	118.8000 LB/H	WATER INJECTION	

(CONTINUED) PROCTOR & GAMBLE PAPER PRODUCTS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TISSUE WINDING MACHINES, 2		PM	0.3400 LB/H EA	WET SCRUBBERS	
STEAM GEN	100.00 MMBTU/H	PM	6.9000 LB/H	LOW ASH FUEL OIL	
		SO2	75.9000 LB/H	0.7% S FUEL OIL	
		NOX	30.0000 LB/H	LEA FIRING/FURNACE DESIGN	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS 19.30 MW

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE PAPER PROD. PLANT OXNARD, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) LA 79-08
DETERMINATION MADE BY EPA REGION IX (AGENCY) RAY SEID (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/02/80
ESTIMATED DATE OF START-UP--
(415)-974-8066 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
GAS TURBINE	19.30 MW		
		NOX	0.3198 LB/MMBTU FUEL OIL
			0.2165 LB/MMBTU NAT GAS
			WATER INJECTION

NOTES ----------
BACT LIMITS DETERMINED BY NSPS STANDARDS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

SOURCE TYPE/SIZE--- OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION STONE CONTAINER CORP. COSHOCTON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. EPA-5-A-81-3
DETERMINATION MADE BY OHIO EPA SED (AGENCY) GLEN GREENWOOD (AGENCY CONTACT PERSON) (614)-385-8501 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/23/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD/GAS	609.00 MMBTU/H				
		PM	0.0600 LB/MMBTU	MULTICLONE & VENTURI SCRUBBER	98.50
		SO2	0.0200 LB/MMBTU		
		CO	0.2000 LB/MMBTU		
		VOC	0.0200 LB/MMBTU		
		NOX	0.3800 LB/MMBTU		

NOTES ----------
BOILER BURNS WOOD WASTE OR NATURAL GAS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 65000.00 T/YR

COMPANY NAME/SITE LOCATION ACRES CARBON RIDGEVILLE, SC

DORCHESTER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. [illegible] THRU [illegible]
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) OTTO PEARSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/11/82
ESTIMATED DATE OF START-UP-- 1983
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SATISFIED AGAIN	27.94 T/H ELECTRON				
		PM	5.4300 LB/H	USE OF NAT. GAS	BACT
		SO2	1.3900 LB/H	USE OF NATURAL GAS	BACT
		NOX	17.5000 LB/H	USE OF NATURAL GAS	BACT
		VOC	0.0300 LB/H	NO CONTROL	
GRAPHITIZING FURNACE	7.40 T/H				
		PM	35.0000 LB/H	BAGHOUSE & PNEUMATIC COLL SYS	
		SO2	296.6000 LB/H	SEE NOTE	
		NCS	160.0000 LB/H		

NOTES ----------
COKE PACK MATERIAL WILL BE LOADED AND UNLOADED FROM THE FURNACES BY A PNEUMATIC COLLECTION SYSTEM. THE PACK MATERIAL WILL BE C
SELECTED IN A BAGHOUSE. FINESWILL BE REMOVED. THE COKE IS THEN RE-USED.
(2) CONTROLLED BY LIMITING SULFUR CONTENT OF THE FOLLOWING A.BAKED ELECTRODES LESS THAN 0.8% B.COKE PACK MATERIAL LESS THAN 3.
(3) C.FIND-UP PACK MATERIAL LESS THAN 1.0%

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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PAGE [illegible] ID NUMBER SC-0011 SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING 05/22/1984

[redacted] GENERAL MANUFACTURING AND FABRICATION

[redacted] A.O. SMITH CORP. MILWAUKEE, WI

[redacted] DATE OF PERMIT ISSUANCE-- 06/05/80
ESTIMATED DATE OF START-UP--
LARRY MCGWTINGALE (414)-257-4411
(AGENCY CONTACT PERSON) (PHONE)

[redacted]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[redacted]		PM	0.1500 LB/MMBTU	BACT
		SO2	SULFUR .85%	

[redacted]
[redacted] FUEL GAS TO BE USED ONLY WHEN NATURAL GAS INTERRUPTED

INITIAL REVIEW POST STARTUP
[redacted] REVIEW STATUS: 04/01/1983

[redacted] ID NUMBER WI-0019 SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION BUICK MOTOR DIV., GMC FLINT, MI

GENESSEE COUNTY

DATE OF PERMIT ISSUANCE-- 03/31/81
ESTIMATED DATE OF START-UP-- 1984
(517)-322-1333
(PHONE)

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. [illegible]
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) GREGORY EDWARDS (AGENCY CONTACT PERSON)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible] MMBTU/H	PM	0.0300 LB/MMBTU BAGHOUSE	LAER
		SO2	0.6000 LB/MMBTU 30D AV DRY FGD SYS.	BACT
		NOX	0.6000 LB/MMBTU 30D AV	BACT
[illegible]		PM	0.0300 GR/DSCF ENCLOUSURES & FABRIC FILTERS	BACT

NOTES ----------

INITIAL REVIEW POST STARTUP
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(*) INDICATES DATUM AND TRUNCATED FOR THIS TABLE.

PAGE [illegible] ID NUMBER MI-0020 SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

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SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 122.00 MMBTU/H

COMPANY NAME/SITE LOCATION BURLINGTON, NC FORTH, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (REGION FILE NO.) PSD-NC-032
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--
(919)-733-7120
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	122.00 MMBTU/H			
		PM	0.3000 LB/MMBTU	BACT
			DUAL MULTICYCLONE	93.00
		SO2		BACT

NOTES ---
SEE LIMIT OF 0 COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

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REVIEW STATUS: 04/01/1983

PAGE B-0107 ID NUMBER NC-0005 SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

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[redacted] GENERAL MANUFACTURING AND FABRICATION 122.00 MMBTU/H

[redacted] BURLINGTON IND. ROCKY MOUNT, NC

NASH COUNTY

[redacted] DATE OF PERMIT ISSUANCE-- 04/25/80
[redacted] ESTIMATED DATE OF START-UP--
[redacted] NORTH CAROLINA DEM MIKE SEWELL (919)-733-7120
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

[redacted]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[redacted]	122.00 MMBTU/H				
		PM	0.3000 LB/MMBTU	DUAL MULTICYCLONE	BACT 93.00
		SO2	1.4000 LB/MMBTU	LOW $ COAL	BACT

[redacted]

[redacted] INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[redacted] ID NUMBER NC-0006 SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[illegible] GENERAL MANUFACTURING AND FABRICATION 305.00 MMBTU/H

[illegible] CAMPBELL SOUP CO. E OF MAXTON, NC
STATE RT 71 ROBESON COUNTY

[illegible] IS BACT FOR A MODIFIED SOURCE.
[illegible]
[illegible] NORTH CAROLINA DEM (AGENCY) MIKE SEWELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/29/81
ESTIMATED DATE OF START-UP-- 1982
(919)-733-6126
(PHONE)

[illegible]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	305.00 MMBTU/H				
		SO2	1.2000 LB/MMBTU		NSPS
				LIMESTONE	80.00
		PM	0.1000 LB/MMBTU		NSPS
				BAGHOUSE	99.00
		NOX	0.7000 LB/MMBTU		NSPS
				LOW PUMP	
				EQUIPMENT DESIGN	
[illegible]	17150.00 LB/H				
		VOC	40.0000 LB/D		RACT
				LOW SOLVENT	

[illegible]
[illegible]

[illegible] INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[illegible] ID NUMBER NC-0001 SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[illegible] SEVERAL MANUFACTURING AND FABRICATION

[illegible] CHEVROLET TRUCK ASSEMBLY PLANT
VAN SLYKE AT ATHERTON RD

FLINT, MI 48551
GENESSEE COUNTY

[illegible] NEW SOURCE.
[illegible]
[illegible] ROCKISON INC (AGENCY)

DAVID FERRIER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/25/80
ESTIMATED DATE OF START-UP-- 1982
(517)-322-1333 (PHONE)

[illegible]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	171.00 MMBTU/H				
		PM	0.0600 LB/MMBTU	CYCLONE & BAGHOUSE	99.50
		SO2	1.6000 LB/MMBTU 24H AV	LOW S COAL, MAX 1%	
		NOX	0.6000 LB/MMBTU	CONTROL EXCESS & OVERFIRE AIR	
[illegible]					
		PM	0.0300 GR/DSCF	ENCLOUSURES & BAG FILTERS	99.50
[illegible]					
		PM	0.0300 GR/DSCF	ENCLOUSURES & BAG FILTERS	99.50

[illegible]

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

ID NUMBER MI-0019

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[illegible] GENERAL MANUFACTURING AND FABRICATION

[illegible] CHICAGO & NORTHWESTERN TRANSP. CO. ESCANABA WELLS, MI 49829
[illegible] DELTA COUNTY

[illegible] FOR A NEW SOURCE. DATE OF PERMIT ISSUANCE-- 06/01/80
[illegible] ESTIMATED DATE OF START-UP-- 1982
[illegible] MICHIGAN DNR (AGENCY) JOHN TROUT (AGENCY CONTACT PERSON) (517)-322-1333 (PHONE)

[illegible]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]		PM	0.0160 LB/MLB EXHAUST BAGHOUSE	99.80

[illegible]

INITIAL REVIEW POST STARTUP
[illegible] REVIEW STATUS: 04/01/1983 03/13/1984

[illegible] ID NUMBER MI-0009 SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION COLT INDUSTRIES - HOLLEY CARBURETOR DIV PARIS, TN 38342
FOREST HEIGHTS ST. HENRY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE. DATE OF PERMIT ISSUANCE-- 05/01/80
PERMIT NO. (REGION FILE NO.) PSD-TN-041 ESTIMATED DATE OF START-UP--
DETERMINATION MADE BY TENNESSEE APCD ANGIE PITCOCK (615)-741-3651
(AGENCY) (AGENCY CONTACT PERSON) (PHONE)

PROCESSOR SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WHOLE PLANT		VOC	33.0000 T/YR VAPOR RECOVERY	BACT

NOTES ----------

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

(*) INDICATED DATUM WAS TRUNCATED FOR THIS TABLE.

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[redacted] GENERAL MANUFACTURING AND FABRICATION 243.00 MMBTU/H

[redacted] CHEMTRON PRINT WORKS FLETCHER, NC

HENDERSON COUNTY

[redacted] FOR A NEW SOURCE.

[redacted] NORTH CAROLINA DEM (AGENCY) MIKE SEMELL (AGENCY CONTACT PERSON) DATE OF PERMIT ISSUANCE-- 04/25/80
ESTIMATED DATE OF START-UP--
(919)-733-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	243.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
				MULTICYCLONE + VENTURI SCRUBBER	98.80
		SO2	1.2000 LB/MMBTU		BACT
				CAUSTIC WASTE VENTURI SCRUB.	74.00
		NOX	0.7000 LB/MMBTU		NSPS
				EQUIPMENT OPERATION & DESIGN	

NOTES: [redacted]

[redacted] EMISSIONS REPORTED AND TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

ID NUMBER NC-0021

SOURCE TYPE CODE 11.0

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

GENERAL MANUFACTURING AND FABRICATION

FORD MOTOR CO., LIMA ENGINE PLANT , OH

ALLEN COUNTY

DETERMINATION IS FACT FOR A NEW SOURCE.

DATE OF PERMIT ISSUANCE-- 05/14/80

ESTIMATED DATE OF START-UP--

DETERMINATION MADE BY: OHIO EPA NAD (AGENCY)

CHUCK HULL (AGENCY CONTACT PERSON)

(419)-352-8461 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL-FIRED	55.00 MMBTU/H				
		PM	0.0600 LB/MMBTU	MULTICLONES & ESP	
		SO2	1.6000 LB/MMBTU 24H BASIS	LOW SULFUR COAL(< 1.0 % S)	

NOTES

SOURCE NOT AUDIT

(**) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP

REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

[illegible] GENERAL PREFACTURING AND FABRICATION 35000.00 T/YR

[illegible] GAF CORP. CHARMIAN, PA

ADAMS COUNTY

[illegible] IS BACT FOR A MODIFIED SOURCE.
[illegible]
[illegible] EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/02/79
ESTIMATED DATE OF START-UP-- 1979
(215)-597-2711
(PHONE)

[illegible]	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]	[illegible] T/H			
		PM	0.9600 LB/H	BACT
			BAGHOUSE	99.85

[illegible]

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

[illegible] DEDICATED DATUM WAS TRUNCATED FOR THIS TABLE.

[illegible] ID NUMBER PA-0021 SOURCE TYPE CODE 11.0

APPENDIX - DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION DAY CORP. FONTANA, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 05-79-87
DETERMINATION MADE BY EPA REGION IX (AGENCY) DON HARVEY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/79
ESTIMATED DATE OF START-UP--
(415)-974-8223
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SURFACING & WINDING SECTIONS OF*	136.00 MLB/H				
		PM	2.5700 LB/H		BACT
			0.0150 GR/SCF		
				BAGHOUSE	99.10
GRAINS & FIXTURE SECTIONS OF RO*					
		PM	1.2900 LB/H		BACT
			0.0150 GR/SCF		
				BAGHOUSE	99.00
SATURATOR	33.00 MLB/D				
		PM	1.8900 LB/H		
			0.0200 GR/SCF		
				ESP	
FILLER STORAGE SILO					
		PM	0.4670 LB/H		
			0.0150 GR/SCF		
				VENT FILTER	
FILLER UNLOAD					
		PM	0.4500 LB/H		
			0.0150 GR/SCF		
				VACUUM FILTER	

PAGE 8-CONT

[illegible]

[illegible]	THROUGHPUT [illegible]	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
[illegible]		PM	0.1470 LB/H 0.0150 GR/SCF VENT FILTER	
[illegible]		PM	0.1470 LB/H 0.0150 GR/SCF VENT FILTER	
[illegible]		PM	0.0270 LB/H 0.0150 GR/SCF VACUUM FILTER	
[illegible]		PM	0.0260 LB/H 0.0150 GR/SCF BAGHOUSE	
[illegible]		PM	0.1410 LB/H 0.0150 GR/SCF BAGHOUSE	

[illegible]

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

[illegible] ED NUMBER 04-0018 SOURCE TYPE CODE 11.8

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GENERAL ELECTRIC CO. BURKEVILLE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SEE NOTES
DETERMINATION MADE BY ALABAMA DEM (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 0[illegible]/08/[illegible]
ESTIMATED DATE OF START-UP-- [illegible]
(205)-834-6570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILN INCINERATOR	60.00 MMBTU/H				
		POHC	0.0100	% OF POHC INPUT	
				WET SCRUBBERS	99.99
				PRIME COMBUST./QUENCH TOWER/PACKED TOWER	
		PM	0.0800	GR/DSCF	
				WET SCRUBBERS	99.10
		SO2	13.8000	LB/H	
		CO	43.7000	LB/H	
		NOX	94.7000	LB/H	
		HCL	1.0000	% OF CL INPUT	
				WET SCRUBBERS	99.00
				QUENCH TOWER/PACKED TOWER	
FIXED HEARTH INCINERATOR	33.00 MMBTU/H				
		POHC	0.0100	% OF POHC INPUT	
				WET SCRUBBERS	99.99
				PRIME COMBUST./QUENCH TOWER/PACKED TOWER	
		PM	0.0800	GR/DSCF	
				WET SCRUBBERS	99.10
		SO2	6.0000	LB/H	
		CO	42.5000	LB/H	
		NOX	48.0000	LB/H	
		HCL	1.0000	% OF CL INPUT	
				WET SCRUBBERS	99.00

(CONTINUED) GENERAL ELECTRIC CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROTARY KILN INCINERATOR	60.00 MMBTU/H				
		POHC	0.0100	% OF POHC INPUT	
				WET SCRUBBERS	99.99
				PRIME COMBUST./QUENCH TOWER/PACKED TOWER	
		PM	0.0800	GR/DSCF	
				WET SCRUBBERS	99.10
		SO2	13.8000	LB/H	
		CO	43.7000	LB/H	
		NOX	94.7000	LB/H	
		HCL	1.0000	% OF CL INPUT	
				WET SCRUBBERS	99.00
				QUENCH TOWER/PACKED TOWER	
BOILER, 2	382.40 MMBTU/H EA				
		PM	0.0500	LB/MMBTU	BACT
				BAGHOUSE	99.00
		SO2	1.2000	LB/MMBTU	BACT
				LOW SULFUR COAL	
		NOX	0.7000	LB/MMBTU	NSPS
				DESIGN & OPERATION	
		CO	0.0400	LB/MMBTU	BACT
BOILER, 2	382.40 MMBTU/H EA				
		PM	0.0500	LB/MMBTU	BACT
				BAGHOUSE	99.00
		SO2	1.2000	LB/MMBTU	BACT
				LOW SULFUR COAL	
		NOX	0.7000	LB/MMBTU	NSPS
				DESIGN & OPERATION	
		CO	0.0400	LB/MMBTU	BACT
BOILERS, 2	249.00 MMBTU/H EA				
		PM	0.0500	LB/MMBTU	BACT
				BAGHOUSE	99.00
		SO2	1.2000	LB/MMBTU	BACT
				LOW SULFUR COAL	
		NOX	0.7000	LB/MMBTU	NSPS
				DESIGN & OPERATION	
		CO	0.0400	LB/MMBTU	BACT

(CONTINUED) GENERAL ELECTRIC CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	266.80 MMBTU/H				
		PM	0.0500 LB/MMBTU		BACT
				BAGHOUSE	99.00
		SO2	1.2000 LB/MMBTU		BACT
				LOW SULFUR COAL	
		NOX	0.7000 LB/MMBTU		NSPS
				DESIGN & OPERATION	
		CO	0.0400 LB/MMBTU		BACT
ELECTRIC ARC FURNACES, 3	5.10 T/H				
		PM	0.0004 GR/SCF		
			29.4000 LB/H		
				BAGHOUSE SYSTEM	99.00
		VE	15.0000 % OPACITY		
PRODUCTION UNITS					
		VOC			NSPS
				I & M PROGRAM REQUIRED	72.70
COAL PREP PLANT	300.00 T/H				
		FUG*	0.0100 GR/DSCF		
				BAGHOUSES, WET SUPRESSION	
				PARTIAL ENCLOSURES	
		VE	0.0000 % ACROSS PROP. LINE		

NOTES ----------
LIMITS FOR POHC,PM,&HCL ARE RCRA. EXPECTED PM &HCL EMIS. ARE < THIS STAND. SO THE EXPECTED IN LB/H ARE ALSO A LIMIT, IE. ROTARY KILN-PM=0.08 GR/DSCF,<6.7 LB/H -- HCL=1% OF CHLORINATED WASTE INPUT,<9.7 LB/H. FIXED HEARTH - PM=8.3 LB/H,HCL=16.4 LB/H. FIXED HEARTH INCIN. NOT OPER. WHEN ROTARY KILN IS AVAILABLE. PERMIT # 207-008-X001 THRU X003,207-008-X008,207-008-X009,207-008-104 THRU X112,207-008-X013,207-008-X301,207-008-X201,207-008-X202,207-008-X305,207-008-X306, 207-008-X312.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 CARS/H

COMPANY NAME/SITE LOCATION GENERAL MOTORS KANAS CITY, KS
WYANDOTTE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY) DANIEL RODRIGUEZ (AGENCY CONTACT PERSON) (816)-374-6525 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/13/81
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL FIRED SPREADER-ST*	820.00 MMBTU/H (TO*				
		SO2	1.2000 LB/MMBTU 30D AV 1.6000 MAXIMUM	LOW SULFUR COAL	BACT
		PM	0.0300 LB/MMBTU	BAGHOUSE	BACT
		NOX	0.6000 LB/MMBTU	BOILER DESIGN	BACT

NOTES ----------
KANSAS DETERMINED LAER AND ISSUED PERMIT FOR VOC. CONSTRUCTION HAS BEEN DELAYED DUE TO GM'S LACK OF MONEY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GM DELCO PRODUCTS DIV
2000 FORRER BLVD.
KETTERING, OH 45429
MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 08-144
DETERMINATION MADE BY RAPCA - DAYTON,OH (AGENCY)
JAMES GROSS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/11/79
ESTIMATED DATE OF START-UP-- 1980
(513)-225-4435 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER #4	150.00 MMBTU/H				
		PM	0.0600 LB/MMBTU	BAGHOUSE	BACT 99.00
		SO2	1.2000 LB/MMBTU	LOW SULFUR COAL	BACT

NOTES ----------
RAM VERSION 78001 MODEL, WITH URBAN COEFFICIENTS AND HOURLY MET. DATA (1970-74), WAS USED TO ESTIMATE POLLUTANT'S IMPACTS.

1983 PERFORMANCE TEST DEMONSTRATED AN AVERAGE PM EMISSION RATE OF 0.013 LB/MMBTU.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 120000.00 LB/H STEAM

COMPANY NAME/SITE LOCATION GM HYDRA-MATIC
1 HYDRA-MATIC DRIVE
THREE RIVERS, MI 49093
ST. JOSEPH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 657-78
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/15/79
ESTIMATED DATE OF START-UP-- 1981
(517)-322-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL FIRED, 2 EA	60000.00 LB/H				
		PM	0.0600 LB/MMBTU	BAGHOUSE	98.90
		SO2	1.4000 LB/MMBTU	1% S COAL	
		NOX	0.6000 LB/MMBTU	CONTRL EXCESS & OVERFIRE AIR	
COAL & ASH HANDLING					
		PM	0.0300 GR/DSCF	BAG FILTERS DUST SUPPRESION	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 160000.00 LB/H

COMPANY NAME/SITE LOCATION GM PROVING GROUND MILFORD, MI 48000
OAKLAND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 658-78
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) GREGORY EDWARDS (AGENCY CONTACT PERSON) (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/03/81
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, COAL FIRED, 4 EA	40000.00 LB/H EA				
		PM	0.0300 LB/MMBTU	BAGHOUSE	99.90
		SO2	1.6000 LB/MMBTU	1% S COAL	
		NOX	0.6000 LB/MMBTU	CONTRL EXCESS & OVERFIRE AIR	
COAL & ASH HANDLING					
		PM	0.0300 GR/DSCF	BAGFILTERS DUST SUPPRESION	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984 03/13/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 CARS/H

COMPANY NAME/SITE LOCATION GMC ASSEMBLY PLANT
GIDDING RD.
LAKE ORION, MI 48000
OAKLAND COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 194-80
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) GREGORY EDWARDS (AGENCY CONTACT PERSON) (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/01/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINTING EQUIPT.	75.00 CARS/H				
PAINT PRIMER	75.00 CARS/H	PM	3.0000 GR/NCF	EXHAUST	LAER
		VOC	304.5000 LB/H	CATHODIC ELECTRO PROCESS	LAER
		VOC	663.0000 LB/H	HIGH SOL PAINT, H2O BORNE PAINT	LAER

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 826.66

COMPANY NAME/SITE LOCATION GMC ASSEMBLY PLANT, GIDDINGS RD., LAKE ORION, MI 48000, OAKLAND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 208-80
DETERMINATION MADE BY MICHIGAN DNR (AGENCY), GREGORY EDWARDS (AGENCY CONTACT PERSON), (517)-322-1333 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/01/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPREADER-STOKER	85.00 MMBTU/H EA				
		SO2	1.6000 LB/MMBTU 24H AV	LOW SULFUR COAL (< 1% S)	
		NOX	0.6000 LB/MMBTU		
		PM	0.0300 LB/MMBTU	BAGHOUSE	
COAL & ASH HANDLING EQUIPMENT					
		PM	0.0300 GR/DSCF	ENCLOSURES & BAGHOUSE	99.00
BOILER, COAL FIRED, 3 EA	247.22 MMBTU/H EA				
		SO2	1.6000 LB/MMBTU 24H AV	LOW SULFUR COAL (< 1% S)	
		NOX	0.6000 LB/MMBTU		
		PM	0.0300 LB/MMBTU	BAGHOUSE	98.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	03/13/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 AUTOS/H

COMPANY NAME/SITE LOCATION GMC CADILLAC MOTORS CORP.
HAMTRAMCK INDUST. PARK
DETROIT, MI
WAYNE COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. C-5763 THRU C-5763
DETERMINATION MADE BY WAYNE COUNTY APCD (AGENCY)
AL SCHEANS (AGENCY CONTACT PERSON)
(313)-224-4693 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/10/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BODY WELDING	382050.00 VEH/YR	PM		NO VIS. EMISS. ZONE ESP	
BRONZE WELDING	382050.00 VEH/YR	PM		NO VIS. EMISS. HOOD AND ESP	99.00
ROUGH GRIND	382050.00 VEH/YR	PM	3.0000 GR/MCF	ZONE ESP & BAGHOUSE	
FINISH GRIND	382050.00 VEH/YR	PM	3.0000 GR/MCF	ZONE ESP & BAGHOUSE	
OLEUM DECK	382050.00 VEH/YR	VOC	3.6000 LB/GAL WITH H2O	H2O DISPURSED SOLVENT	
ELPO PRIMER	382050.00 VEH/YR	VOC	0.1600 KG/L APPL. SOL.	AQUEOUS CATHODIC ELECTRO-DEPO.	

(CONTINUED) GMC CADILLAC MOTORS CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRIMER/SURFACER	382050.00 VEH/YR				
		VOC	3.2000	LB/GAL APPL. SOL	
			62.0000	% TRANSFER EFF	
				HIGH SOLIDS ENAMEL & ELECT. SP	
		PM	98.0000	% OVERSPRAY CONTRL	
				WATER WASH BOOTH	
ALL TOPCOAT PAINT BOOTHS	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL	
				WATER WASH BOOTH	
		VOC	2.8000	LB/GAL APPL. SOL	
			37.0000	% TRANSFER EFF	
				SEE NOTE	
TRUCK COATING	382050.00 VEH/YR				
		PM		NO VIS. EMISS.	
				DRY FILTERS	
		VOC	2.8000	LB/GAL APPL. SOL	
				SEE NOTE	
ANTI-CORROSION, DOORS	382050.00 VEH/YR				
		PM	1.0000	GR/MCF	
				DRY FILTERS	
		VOC	4.4000	LB/GAL APPL. SOL	
				HIGH SOLIDS WAX	
ANTI-CORROSION, FENDERS	382050.00 VEH/YR				
		VOC	4.0000	LB/GAL APPL. SOL	
				HIGH SOLIDS WAX	
UNDERBODY DEADNER	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL	
				WATER WASH BOOTH	
		VOC	0.4200	LB/GAL APPL. SOL	
				H2O DISPURSED MATL.	
SMALL PARTS	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL	
				WATER WASH BOOTH	
		VOC	2.8000	LB/GAL APPL. SOL	
				SEE NOTE	

(CONTINUED) GMC CADILLAC MOTORS CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TEMP. SENSITIVE PARTS BOOTH	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	6.0000	LB/GAL APPL. SOL LACQUER DRIED AT 160 DEG F	
FLEXIBLE PARTS	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.6000	LB/GAL APPL. SOL 25% TE - BASE COAT	
		VOC	4.2000	LB/GAL APPL. SOL 30% TE - CLEAR COAT	
WHEEL BOOTH	382050.00 VEH/YR				
		PM	98.0000	% OVERSPRAY CONTRL WATER WASH BOOTH	
		VOC	2.8000	LB/GAL APPL. SOL WATERBORNE ENAMEL	
FINAL REPAIR	382050.00 VEH/YR				
		PM	1.0000	GR/MCF DRY FILTERS	
		VOC	4.8000	LB/GAL APPL. SOL	
SEALER/ADHESIVES	382050.00 VEH/YR				
		VOC	70.9000	LB/H USE OF AVAILABLE MATERIALS	
PAINT RACK BURN-OFF					
		PM	1.0000	GR/MCF BAGHOUSE	

NOTES ----------
USE OF HIGH SOILDS ENAMAL WITH PARTIAL USE OF ELECTROSTATIC SPRAY (OVERALL 37% TRANSFER EFF.) AND USE OF BAKE OVEN VOC EMISSIO
N INCINERATION

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 75.00 AUTOS/H

COMPANY NAME/SITE LOCATION GMC CADILLAC MOTORS CORP. HAMTRAMCK INDUST. PARK DETROIT, MI WAYNE COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. C-5764 THRU C-5775
DETERMINATION MADE BY WAYNE COUNTY APCD (AGENCY) AL SCHEANS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/10/81
ESTIMATED DATE OF START-UP-- 1983
(313)-224-4693 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, POWERHOUSE, 3 EA	247.00 MMBTU/H				
		PM	0.0300 LB/MMBTU	BAGHOUSE	LAER
		NOX	0.6000 LB/MMBTU		LAER
		SO2	1.1000 LB/MMBTU	LOW S COAL	BACT
		CO		COMBUSTION CONTRL	LAER
ASH TRANSFER					
		PM	0.0100 LB/MLB EXHAUST	BAGHOUSE FOR PNEU. TRANS	
COAL UNLOADING	181000.00 T/YR				
		PM		H2O SPRAY/ENCLOSURE WITH ROOF	
COAL HANDLING	181000.00 T/YR				
		PM		NO VIS. EMISS. ENCLOSED CONVEYOR & BAGHOUSE	
COAL STORAGE	80000.00 SQF PAD.				
		PM		NO VIS. EMISS. CONCRETE STOR. PAD/SPRINK. SYS	

(CONTINUED) GMC CADILLAC MOTORS CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASH SILO	300.00 T				
		PM	0.0100 LB/MLB EXHAUST	PRIM. & SEC. CYC. & BAGHOUSE	
ASH LOADOUT					
		PM		NO VIS. EMISS. WETTED ASH DISCH. & COVERED TR	

NOTES ----------
LIMITS ARE FOR WHOLE PLANT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/19/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GMC CHEVROLT MOTOR DIV.
100 FITZGERALD ST. BAY CITY, MI 48706
BAY COUNTY

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 488-79
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) JOHN VIAL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/01/80
ESTIMATED DATE OF START-UP-- 1980
(517)-322-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STANDS, CARBURETOR TEST,40 EA		VOC	0.2000 PPH	INCINERATOR	LAER 99.90

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 03/13/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 88.40 MMBTU/H

COMPANY NAME/SITE LOCATION GREENWOOD MILLS, INC. ORANGEBURG, SC

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SC035
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY) OTTO PEARSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/03/80
ESTIMATED DATE OF START-UP--
(803)-758-5406 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL BOILER	88.40 MMBTU				
		SO2	1.4100 LB/MMBTU	1% S IN FUEL	BACT
		NOX	0.5500 LB/MMBTU	COMBUSTION MODIFICATION	BACT
		PM	0.1000 LB/MMBTU	CYCLONES FOLLOWED BY BAGHOUSES SEE NOTE	BACT 99.98

NOTES ----------
PRELIMINARY STACK TESTS INDICATE TSP EMISSIONS OF .08 LB/MILLION BTU, ON VERYHIGH QUALITY COAL. WE EXPECT THE SOURCE TO REQUES
T THIS LIMIT BE REVISED UPWARD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/02/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION HILTI INDUSTRIES, INC TULSA, OK

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. T79-27
DETERMINATION MADE BY TULSA CITY-COUNTY HEALTH DEPT (AGENCY) BILL GIBBONS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/08/79
ESTIMATED DATE OF START-UP-- 1980
(918)-744-1000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ZINC PLATING	9.50 MMLB/YR	PM		BACT
BLACK MANGANESE-PHOSPHATE LINE	9.50 MMLB/YR	PM		BACT
RUSH INHIBITOR LINE	9.50 MMLB/YR	PM		BACT
RACK STRIP LINE	9.50 MMLB/YR	PM		BACT

NOTES ----------
NEW FACILITY. CONTROL EFFICIENCIES BASED ON APPLICANT'S TESTING OF SIMILAR EQUIPMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION IBM OWEGO, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION II (AGENCY) PAUL KAHN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/12/82
ESTIMATED DATE OF START-UP--
(212)-264-9578 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS TURBINE, 2 EA	2.50 MW	NOX	COMBUSTION CONTROLS	B/N
		SO2	#2 OIL, S > 0.5%	B/N
IC ENGINES, 2 EA	180.00 KW	SO2	#2 OIL, S > 0.5%	BACT
IC ENGINE	150.00 KW	SO2	#2 OIL, S > 0.5%	BACT

NOTES ----------
OPERATING HOURS NOT TO EXCEED 720 HOURS PER YEAR PER UNIT, GAS TURBINE MUST COMPLY WITH NSPS SUBPART GG.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 59.00 MW

COMPANY NAME/SITE LOCATION IBM CORP. SAN JOSE, CA 95193

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SFB-82-01
DETERMINATION MADE BY EPA REGION IX (AGENCY) DAVID SOLOMON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/09/82
ESTIMATED DATE OF START-UP--
(415)-974-8240 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	4100.00 GAL/H				
		SO2	223.0000 LB/H	0.3% S FUEL OIL	BACT
		NOX	142.0000 LB/H 40.0000 PPM	H2O INJECT.-0.94 LB H2O/LB FUEL	BACT 80.00

NOTES ----------
#2 FUEL OIL AT NO GREATER THAN 0.3% SULFUR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 04/04/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION IBM CORP. 740 NEW CIRCLE RD. LEXINGTON, KY 40511

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. C-78-18
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY) GEORGE DAY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/23/78
ESTIMATED DATE OF START-UP--
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILO 3 & 4 COATERS	230.40 LB/H	VOC	CARBON ADSORBERS & ENCLOSURES	LAER 88.00
KILO 5 & 6 COATERS	230.40 LB/H	VOC	CARBON ADSORBERS & ENCLOSURES	LAER 95.00

NOTES ----------
EFFICIENCY INCLUDES LOSSES FROM INK MIXING, COATING, DRYING, INTERMEDIATE STORAGE, CLEANUPS, & SOLVENT RECOVERY SYSTEMS. KILO 5 & 6 ARE COVERED UNDER PERMIT #C-80-103, WITH A STARTING DATE OF 12/01/81 & PERMIT DATE OF 10/16/80. OTHER STARTUP DATE ARE ... KILO 3 -- 12/29/78, KILO 4 -- 03/10/79, KILO 5 -- 02/01/82, KILO 6 -- NOT CONSTRUCTED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 100.00 LB/H

COMPANY NAME/SITE LOCATION MIDWEST FEATHER CO.
2525 COMMODITY CIRCLE SHARONVILLE, OH
HAMILTON COUNTY

DETERMINATION IS
PERMIT NO. 14-468
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY) WALTER ANDERSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/04/83
ESTIMATED DATE OF START-UP--
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER & SEPARATOR	100.00 LB/H	PM	0.0300 LB/100 LB INPUT	BAGHOUSE & CYCLONE	TECH 99.00

NOTES ----------
BACT DETERMINED BY TECHNOLOGY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION OHIO MEDICAL ANESTHETICS CLEVELAND, OH 44114
1177 MARQUETTE

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-1213
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKE HABIB (AGENCY CONTACT PERSON) (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FORANE MFG & STORAGE					
		PM	0.7300 T/YR	ABSORBER & CAUSTIC SCRUBBER	99.00
		ORG*	4.6300 T/YR		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 237.00 MMBTU/H

COMPANY NAME/SITE LOCATION PHILIP MORRIS CHESTER, VA CHESTERFIELD COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 80VA06
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) PAUL PITTS (AGENCY CONTACT PERSON) (804)-786-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/20/81
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/OIL FIRED	237.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
				ESP	99.60
		NOX	0.7000 LB/MMBTU		BACT
				COMBST MDLS CUT MAX FLAME TEMP	
		VE	20.0000 % OPACITY		BACT
		SO2	2.1000 LB/MMBTU COAL		BACT
			2.5100 LB/MMBTU OIL		
				1.2% SULFUR COAL	

NOTES ----------
WHEN BURNING A MIXTURE OF COAL AND OIL, THE SO2 LIMIT SHALL BE DETERMINED USING THE FORMULA: E(SO2) = [2.51(X) + 2.1(Y)]/100 W
HERE X = % HEAT INPUT FROM OIL AND Y = % HEAT INPUT FROM COAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION PHOENIX DYE WORKS
4755 W 150TH ST. CLEVELAND, OH 44135

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-1241
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKE HABIB (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1984
(216)-664-3508 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, CONTROLLED AIR	440.00 LB/H	PM	0.4600 T/YR 0.1000 LB/HUND. LB WASTE	

NOTES ----------
PROCESS WASTE INCINERATOR IS DESIGNED TO BURN THE VARIOUS WASTES, E.G. SCRAP YARN, SPOOL CORES, WRAPPING PAPER, CAFETERIA WAST
E, PLASTIC CORES & STRAPPING, & SCRAP CARDBOARD, USING HEAT GENERATED TO PRODUCE THE MAX AMOUNT OF
STEAM POSSIBLE TO DISPLACE A PORTION OF THE NATURAL GAS NOW USED AS A BOILER FUEL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION POOL CO. SAN ANGELO, TX
TOM GREEN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. X3714
DETERMINATION MADE BY TEXAS ACB (AGENCY) RANDY HAMILTON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/28/82
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ABRASIVE CLEANERS		PM	0.4000 T/YR	WET SCRUBBER	99.00
PAINT BOOTHS		VOC PM	12.4000 T/YR SEE NOTE	DRY FILTERS	90.00

NOTES ----------
VOC EMISSION BASED ON 3 LB VOC/GAL PRIMER & 4 LB VOC/GAL FINISH COATINGS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 360.00 MMBTU/H

COMPANY NAME/SITE LOCATION PROCTOR & GAMBLE STATEN ISLAND, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION II (AGENCY) EDWARD NOWAK (AGENCY CONTACT PERSON) (212)-264-8690 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/25/82
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	360.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
			0.0500 GR/DSCF		
				MULTICLONE & VENTURI SCRUBBER	85.00
		CO	0.2200 LB/MMBTU		
				PROPER COMBUSTION AIR	
HOGGING OPERATION					
		PM	0.0500 GR/DSCF		BACT
				BAGHOUSE / MULTICLONE	80.00
		VE	20.0000 % OPACITY		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION 121.40 MMBTU/H

COMPANY NAME/SITE LOCATION SAGINAW STEERING GEAR ATHENS, AL
LIMESTONE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AL 064
DETERMINATION MADE BY ALABAMA APCD (AGENCY) SUE ROBERTSON (AGENCY CONTACT PERSON) (205)-834-6570 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/15/80
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	121.40 LB/MMBTU				
		PM	1.6000 LB/H		BACT
				BAGHOUSE	99.70
		SO2	1.5000 LB/MMBTU		BACT
				LOW S COAL	

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION TEXAS INSTRUMENTS, INC. , TX
DALLAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14959
DETERMINATION MADE BY TEXAS ACB (AGENCY) ART KELLOGG (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/04/84
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INTEGRATED CIRCUITS MFG					
		CL	4.2800 T/YR		BACT
				VENTURI SCRUBBER	98.00
		VOC	0.8900 T/YR		BACT
		VOC	0.9700 T/YR		BACT
				INCINERATOR	97.00

NOTES ----------
SIC = 3679. SCC = 4-01-888-01, & 5-03-001-02

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION TRICO INDUSTRIES, INC. , TX
HUNT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9137
DETERMINATION MADE BY TEXAS ACB (AGENCY) JAMES CROCKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/12/83
ESTIMATED DATE OF START-UP-- 1983
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEAT TREATING	10.70 MMBTU/H				
		NOX	1.7000 LB/H		
		CO	2.7000 LB/H		
STEEL SHOT CLEANING	144000.00 T/YR				
		PM	15.0000 LB/H	BAGFILTER	98.00
PROTECTIVE COATING	33.00 LB/H				
		VOC	18.7600 LB/H		

NOTES ----------
DETERMINED THAT IT WAS NOT TECHNICALLY OR ECONOMICALLY REASONABLE TO REDUCE VOC EMISSIONS. OPERATING SCHEDULE 8 H/D, 5 D/WEEK, 52 WEEKS/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 05/04/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 37.50 MMBTU/H

COMPANY NAME/SITE LOCATION A.I. DUPONT INSTITUTE WILMINGTON, DE
NEW CASTLE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. (REGION FILE NO.) 79-DE-01
DETERMINATION MADE BY EPA REGION III (AGENCY)
JOANNE MCKERNAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/18/80
ESTIMATED DATE OF START-UP-- 1981
(215)-597-8182 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS (3)	37.50 MMBTU/H				
		PM	0.5800 LB/H		BACT
		SO2	66.7000 LB/H	.85% S. IN FUEL OIL	BACT
		CO	2.5000 LB/H		BACT
		VOC	0.5000 LB/H		BACT
		NOX	30.0000 LB/H		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION CHATTANOOGA-HAMILTON COUNTY HOSPITAL AU* CHATTANOOGA, TN
975 E. THIRD ST.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0150-50200505-01I
DETERMINATION MADE BY CHATTANOOGA APCB (AGENCY) HARVEY RICE (AGENCY CONTACT PERSON) (615)-867-4321 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/15/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR	1250.00 LB/H CHARGE*	PM	0.0800 GR/DSCF 0.1000 LB/100 LB CHARGED	CONTROLLED COMBUSTION	BACT

NOTES ----------
THIS EQUIPMENT WILL BE CAREFULLY OPERATED TO MINIMIZE EMISSIONS. A STOICHIOMETRIC MIXTURE WILL BE MAINTAINED IN THE COMBUSTION CHAMBERS BY INSTRUMENTATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS:	INITIAL REVIEW	POST STARTUP
	04/01/1983	01/25/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION CHATTANOOGA-HAMILTON COUNTY HOSPITAL AU* CHATTANOOGA, TN
975 E. THIRD ST.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0150-50200505-02I
DETERMINATION MADE BY CHATTANOOGA APCB (AGENCY) HARVEY RICE (AGENCY CONTACT PERSON) (615)-867-4321 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/15/82
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR	1250.00 LB/H CHARGE*	PM	0.0800 GR/DSCF 0.1000 LB/100 LB CHARGED	CONTROLED COMBUSTION	BACT

NOTES ----------
THIS EQUIPMENT WILL BE CAREFULLY OPERATED TO MINIMIZE EMISSIONS. A STOICHIOMETRIC MIXTURE WILL BE MAINTAINED IN THE COMBUSTION CHAMBERS BY INSTRUMENTATION. LIMITED TO 4100 HRS OPERATION PER YEAR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 01/25/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 113.00 MMBTU/H

COMPANY NAME/SITE LOCATION GRIFFISS AIR FORCE BASE ROME, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30130004760029A-N
DETERMINATION MADE BY NEW YORK DEC (AGENCY) DAVID PROSSER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/28/83
ESTIMATED DATE OF START-UP-- 1985
(315)-782-0100 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILERS, 4	113.00 MMBTU/H EA				
		PM	0.0500 LB/MMBTU	FABRIC FILTER	98.00
		SO2	0.7100 LB/MMBTU	DRY SCRUBBER	85.00 BACT
		NOX	0.6200 LB/MMBTU	STAGED COMBUSTION	
LIME SILO		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
COAL SILO		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
ASH SILO		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
ASH HANDLING		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00

(CONTINUED) GRIFFISS AIR FORCE BASE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME BLOWER		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
LIME BIN		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
RECOVERY BIN		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
COAL CONVEYOR		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
COAL BUNKER		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00
COAL HANDLING		PM	0.0500 GR/DSCF	FABRIC FILTER	SIP 99.00

NOTES ----------
BOILER PM & SO2 EMISSION LIMITS SPECIFIED FOR NETTING PURPOSES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 169.00 MMBTU/H

COMPANY NAME/SITE LOCATION LORING AIR FORCE BASE LIMESTONE, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 21-25
DETERMINATION MADE BY MAINE DEP (AGENCY) ROBERT BALLEW (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/26/83
ESTIMATED DATE OF START-UP-- 1985
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER #7	84.50 MMBTU/H				
		PM	0.0700 LB/MMBTU	BAGHOUSE	
		SO2	1.8000 LB/MMBTU		
		NOX	0.7000 LB/MMBTU		
BOILER #8	84.50 MMBTU/H				
		PM	0.0700 LB/MMBTU	BAGHOUSE	
		SO2	1.8000 LB/MMBTU		
		NOX	0.7000 LB/MMBTU		
CAR SHAKER BLDG VENT		PM		BAGHOUSE	
ASH SILO DISCHARGE		PM		VENT REC. TRUCKS BACK TO ASH SILO	
COAL HANDLING		PM		WASHED/OILED/H2O,CHEM SUPPRES.	

NOTES ----------
MAX SULFUR CONTENT OF COAL IS 1.2%, OPACITY MONITORS REQUIRED ON BOTH BOILERS. ALL CONTROLS ARE TECHNOLOGY BASED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 18000.00 LB/H STEAM PROD.

COMPANY NAME/SITE LOCATION L.D.S. CHURCH WELFARE SQUARE , UT
SALT LAKE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY UTAH BAQ (AGENCY) CARL BROADHEAD (AGENCY CONTACT PERSON) (801)-533-6108 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/01/82
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL FIRED BOILER	18000.00 LB/H STEAM	PM	0.0400 GR/DSCF	BAGHOUSE	
		VE	20.0000 % OPACITY		
		SO2			
		NOX			

NOTES ----------
BAGHOUSE INSTALLED TO CORRECT OPACITY PROBLEMS

PULVERIZED COAL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 02/13/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 82.60 MMBTU/H

COMPANY NAME/SITE LOCATION NORFOLK & WESTERN RAILWAY CO. ROANOKE, VA ROANOKE CITY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 79VA14
DETERMINATION MADE BY EPA REGION III (AGENCY) BOB BLASZCZAK (AGENCY CONTACT PERSON) (215)-597-8186 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/14/80
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	82.60 MMBTU/H	PM	0.2280 LB/MMBTU		BACT
			56.5000 LB/H		
				ESP	95.40
		SO2	2.1100 LB/MMBTU		BACT
			523.1000 LB/H		
				SULFUR IN FUEL LIMITS	

NOTES ----------
TOTAL BOILERHOUSE (4 BOILERS) LIMITED TO 210,000 LB/HR STEAM OUTPUT. SULFER-IN-FUEL = 1.5% MAX PER SAMPLE, 1.25% MAX MONTHLY AVERAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION NORTHERN MICHIGAN UNIV. MARQUETTE, MI 49855
MARQUETTE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 121-80
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/20/81
ESTIMATED DATE OF START-UP-- 1983
(517)-322-1333 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL-FIRED BOILERS, 3 EA	60000.00 BTU/H	PM	0.0300 LB/MMBTU	BAGHOUSE	99.70
		SO2	1.4000 LB/MMBTU	LOW SULFUR COAL	
		NOX	0.6000 LB/MMBTU	CONTROL EXCESS & OVERFIRE AIR	
COAL & ASH HANDLING & STORAGE		PM	0.0300 GR/DSCF	ENCLOSURES & BAG FILTERS	99.70

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983 03/13/1984

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION RADFORD ARMY AMMUNITION PLANT RADFORD, VA
MONTGOMERY/PULASKI COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 79VA07
DETERMINATION MADE BY EPA REGION III (AGENCY) VERNON BUTLER (AGENCY CONTACT PERSON) (215)-597-2711 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/27/80
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CAMB THERMAL DEHYDRATOR	2.40 MMLB/MONTH				
		PM	0.9000 LB/H		BACT
				SCRUBBER	99.00
		VOC	217.0000 LB/H		BACT

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP 04/01/1983

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION SCHAAF LANE GREENHOUSE, INC. BROOKLYN HTS, OH 44131
4933 SCHAAF LANE

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-1093
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKE HABIB (AGENCY CONTACT PERSON) (216)-664-3508 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	18.10 MMBTU/H				
		PM	0.2000 LB/MMBTU	MULTICLONE	85.00
		SO2	2.5000 LB/MMBTU		

NOTES ----------
STACK TEST IS REQUIRED USING METHODS 1 THRU 5 FROM 40CFR PART 60 APPENDIX A. QUARTERLY REPORTS OF COAL ANALYSIS STATING ASH CONTENT, SULFUR CONTENT, & HEAT CONTENT OF EACH SHIPMENT OF COAL. VISIBLE EMISSIONS FROM THE BOILER SHALL NOT EXCEED 20% OPACITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION SOUTHERLY WASTEWATER TREATMENT CUYAHOGA HTS, OH 44125
6000 CANAL RD.

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 13-1126
DETERMINATION MADE BY CLEVELAND DAPC (AGENCY) IKE HABIB (AGENCY CONTACT PERSON) (216)-664-3508 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/03/83
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXING TANK, SLUDGE	400.00 MM GAL/D				
		VOC	0.0000 LB/H	TWO PACKED TOWER SCRUBBERS	85.00
		H2S	0.9000 PPM	TWO PACKED TOWER SCRUBBERS	90.00

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS:

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 68.00 MMBTU/H

COMPANY NAME/SITE LOCATION UNIVERSITY HOSPITAL CINCINNATI, OH
HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1431070207B003
DETERMINATION MADE BY SOUTHWEST OHIO, APCA (AGENCY) STANLY KOZEMBA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	68.00 MMBTU/H				
		PM	0.2250 LB/MMBTU	CYCLONE	94.00
		SO2	2.0000 LB/MMBTU		

NOTES ----------

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION UNIVERSITY OF CINCINATI CINCINNATI, OH
HAMILTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1431070849
DETERMINATION MADE BY EPA REGION V (AGENCY) BONIFACE THAYIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/13/81
ESTIMATED DATE OF START-UP--
(312)-886-6054 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATING PLANT - COAL					
		PM	0.1800 LB/MMBTU	MULTIPLE CYC & HOPPER EVACUAT.	
		SO2	1.6000 LB/MMBTU		

NOTES ----------
SIX MONTH PERIOD WITH MULTIPLE CYCLONE ONLY IN ORDER TO PROPERLY SIZE HOPPER EVACUATION SYS. CONTINUOUS OPACITY MONITORS TO BE INSTALLED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 146.40 MMBTU/H

COMPANY NAME/SITE LOCATION UNIVERSITY OF WYOMING LARAMIE, WY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. CT-283 SEE NOTE
DETERMINATION MADE BY WYOMING AQD (AGENCY) ECKART HAAS (AGENCY CONTACT PERSON) (307)-777-7391 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/14/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL, 3 EA, NOTE #1	73.20 MMBTU/H				
		PM	0.1000 LB/MMBTU NOTE #2		NSPS
				BAGHOUSE	99.50
		NOX	0.7000 LB/MMBTU		BACT
		SO2	1.6000 LB/MMBTU		BACT
				0.7% S LIMIT	
		VOC	0.0600 LB/MMBTU		
		CO	0.1200 LB/MMBTU		
ASH HANDLING, STORAGE SILO	10.00 T/H				
		PM	0.2000 LB/H		
				MECH. COLLECTORS, BAGFILTER, AIRWASH	99.90

NOTES ----------
1.) THIRD BOILER IS STANDBY ONLY. 2.) OR 99.5% CONTROL EFFICIENCY, WHICHEVER SMALLEST. ASH HANDLING SYSTEM ON PERMIT #CT-283A WITH PERMIT ISSUANCE DATE OF 08/27/80.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION UNIV. OF MICH., CEN HEATING PLANT
1120 E. HURON ST. ANN ARBOR, MI 48104
WASHTENAW COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 531-78
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) GREGORY EDWARDS (AGENCY CONTACT PERSON) (517)-322-1333 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/01/80
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILERS, GAS/OIL-FIRED	220.00 MLB/H EA				
		SO2	0.5200 LB/MMBTU	LOW S OIL	
		NOX	0.3000 LB/MMBTU OIL	CONTRL EXCESS & OVERFIRE AIR	
		NOX	0.2000 LB/MMBTU GAS	CONTRL EXCESS & OVERFIRE AIR	

NOTES ----------
2 OIL OR GAS-FIRED BOILERS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW 04/01/1983 POST STARTUP 03/13/1984

ID NUMBER MI-0011

SOURCE TYPE CODE 12.0

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL 318.00 MMBTU/H

COMPANY NAME/SITE LOCATION US AIRFORCE-MALMSTROM
MALSTROM AFB
GREAT FALLS, MT 59402
CASCADE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VIII (AGENCY) JOHN DALE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/01/81
ESTIMATED DATE OF START-UP-- 1984
(303)-837-3763 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
3 HEATERS	318.00 MMBTU/H				
		NOX	0.5000 LB/MMBTU		BACT
			106.0000 LB/H		
				BOILER DESIGN	
		PM	7.6000 LB/H		BACT
				FF	99.80
		SO2	0.3200 LB/MMBTU		BACT
			67.8000 LB/H		
				DRY SCRUB	85.00
COAL CONV	36.00 MT/YR				
		PM	1.0000 T/YR		BACT
				ENCLOSURE	95.00
COAL STOCKPILE	36.00 MT/YR				
		PM	1.0000 T/YR		BACT
				TELE CHUTE	75.00
HANDLING(ASH)					
		PM			BACT
				WATERSPRAYS	0.00

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LIME SYS					
		PM	6.0000 T/YR		BACT
				FF	99.60
PILE RECLAIM	36.00 MT/YR				
		PM	1.0000 T/YR		BACT
WIND EROSION					
		PM	27.0000 T/YR		BACT

NOTES ----------
HIGH TEMPERATURE WATER. TWO UNITS OPERATING AN ONCE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

INITIAL REVIEW POST STARTUP
REVIEW STATUS: 04/01/1983

APPENDIX -- DETAILED SOURCE LISTING

05/22/1984

SOURCE TYPE/SIZE--- INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION USAF - CHANUTE BASE RANTOUL, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 83 12 0026
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) CHRIS ROMAINE (AGENCY CONTACT PERSON) (217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/01/84
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 4	115.00 MMBTU/H	NOX	0.6000 LB/MMBTU	EQUIPMENT DESIGN	BACT

NOTES ----------
NOTE - ALSO PERMIT NUMBER 019 817 AAC. PROJECT NOT A MAJOR MODIFICATION FOR PM, SO2, OR CO.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

REVIEW STATUS: INITIAL REVIEW POST STARTUP

United States
Environmental Protection
Agency

Office of Air and Radiation
Office of Air Quality Planning and Standards
Research Triangle Park NC 27711

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